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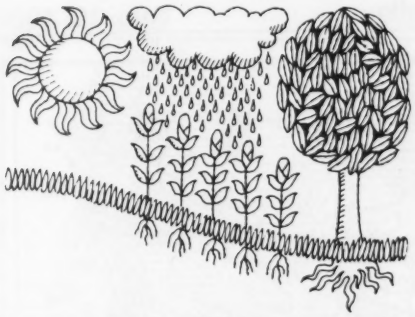

WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration, National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service
World Agricultural Outlook Board

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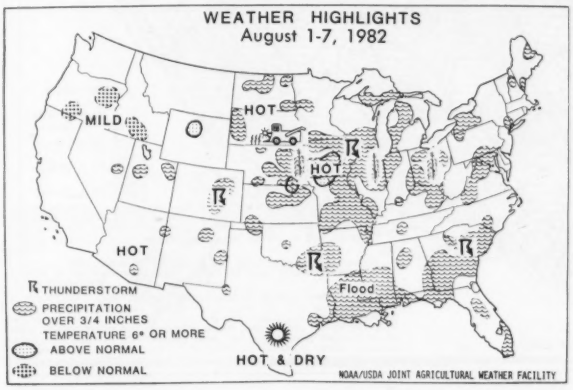
National Weather Summary

August 1-7



HIGHLIGHTS: Ample rain over most of the Corn Belt provided moisture to the propagating corn and soybeans. However some isolated points in the eastern area are still too dry. Several days of high afternoon temperatures in the western end of the Corn Belt may have stressed some plants. Heavy rains caused local flooding in southern Iowa. The heavier rains in the East Coast States fell in areas that needed rain. After an unusually cool period early in the week, the West Coast States began a heat wave with afternoon temperatures rising to over 100° as far north as Washington.

SUNDAY . . .Showers and thunderstorms were relatively scarce across the Nation. Some heavy storms continued in southeastern Oklahoma and were moderate through Louisana, the coastal areas of the eastern Gulf States, and the southeastern coast. A few thunderstorms dotted west central Texas, southeastern New Mexico, Arizona, and western Colorado. A cold front spread showers across Washington to the northern Rockies, and light, occasionally moderate, thunderstorms covered the Great Lakes and St. Lawrence Valley. High temperatures rose to near 100° in parts of the central and northern High Plains and to the midnineties in the far western Corn Belt.

MONDAY . . .Showers were scattered from eastern Arizonia and Utah, through New Mexico and Colorado, and into southern Wyoming. In the East, showers and thunderstorms became widely scattered over the Great Lakes but were more frequent from northern Indiana into Pennsylvania and from Maryland through New England. Light showers continued along the eastern gulf coast and eastern Georgia and Florida. Temperatures in the mid- to upper nineties covered most of the Plains and reached the western end of the Corn Belt.

TUESDAY . . .High temperatures in the mid- to upper nineties covered the southern and central Plains and moved over Missouri, Iowa, and into central Illinois. The high temperatures stressed the propagating corn crop in those areas. Thunderstorms were scattered over the High Plains in Texas and Colorado and from central Nebraska to southwestern New York. The thunderstorms were frequent and heavy from northern Iowa and southern Minnesota across northern Illinois and southern Wisconsin.

WEDNESDAY . . .Heavy thunderstorms rumbled from eastern Colorado across Kansas, Nebraska, and Iowa to northern Illinois. More moderate storms were scattered from central Indiana through Ohio and West Virginia into Maryland and Pennsylvania and northeastward through New England. The cold front that triggered thunderstorms in the central Plains ushered in cooler air over the western Corn Belt, but hot weather still reached through Missouri and southern Illinois.

THURSDAY . . .The cold front moved southward through the central Plains and middle Mississippi Valley, triggering thunderstorms along and ahead of it. Isolated heavy rain fell in parts of Kansas and northern Oklahoma, but the rain was more widespread through Missouri and southern Illinois. The very hot weather was pushed southward to Oklahoma, southern Missouri, and the southern tip of Illinois. Thunderstorms spread to the Southeast and all along the east coast. Late in the day, some heavy thunderstorms hit northern North Dakota.

FRIDAY . . .Moderate, occasionally severe thunderstorms covered the middle and lower Mississippi Valley. Lighter storms spread through the Ohio Valley to Virginia and Maryland and covered the Southeast

(continued on p. 13)

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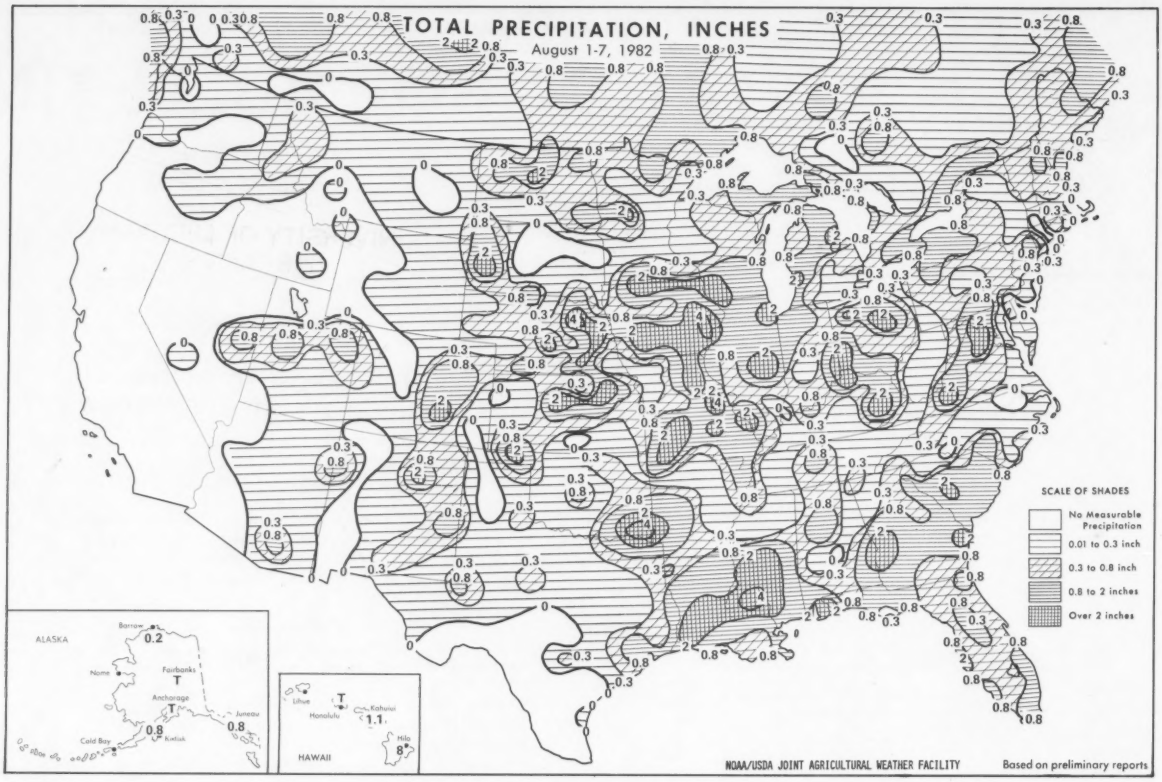
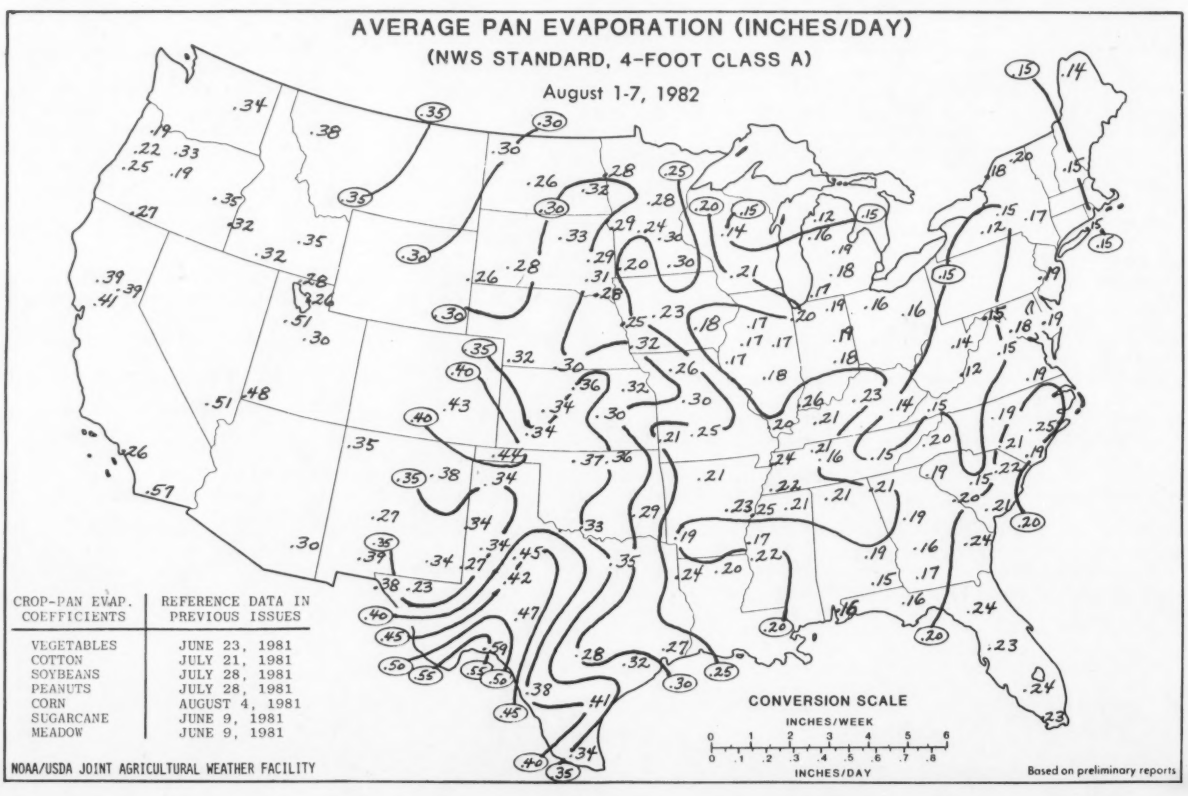
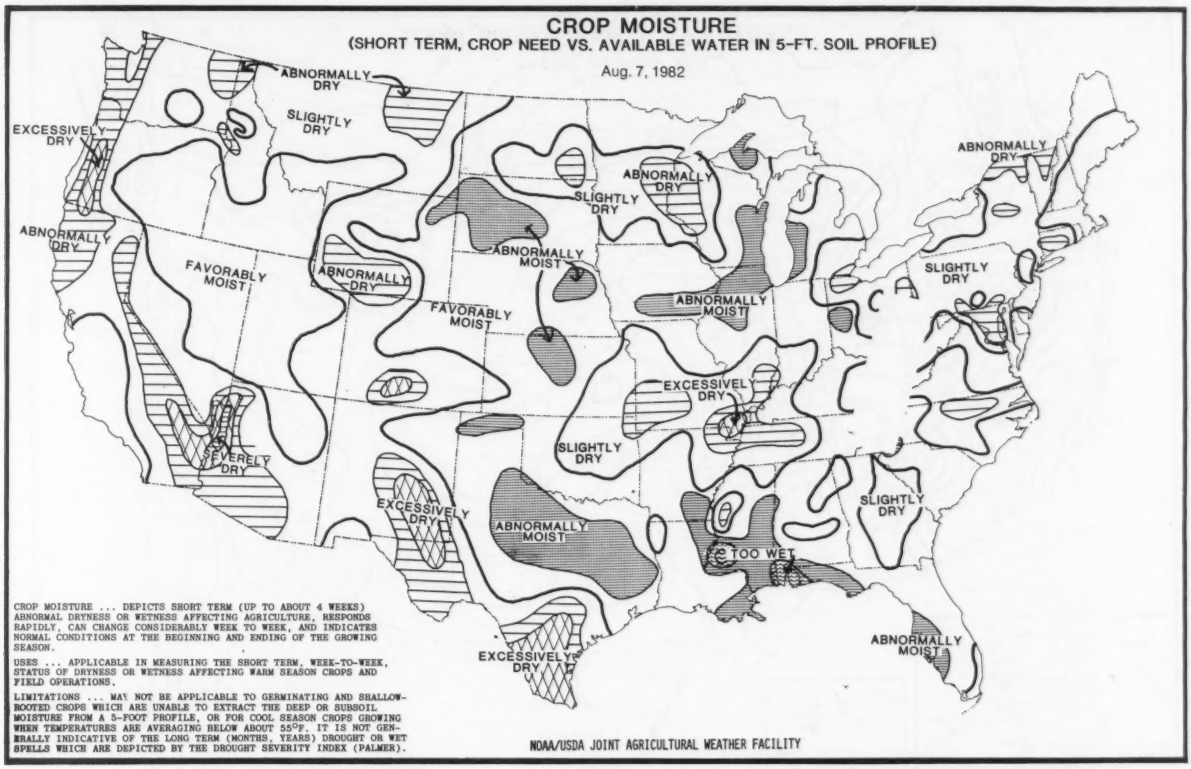
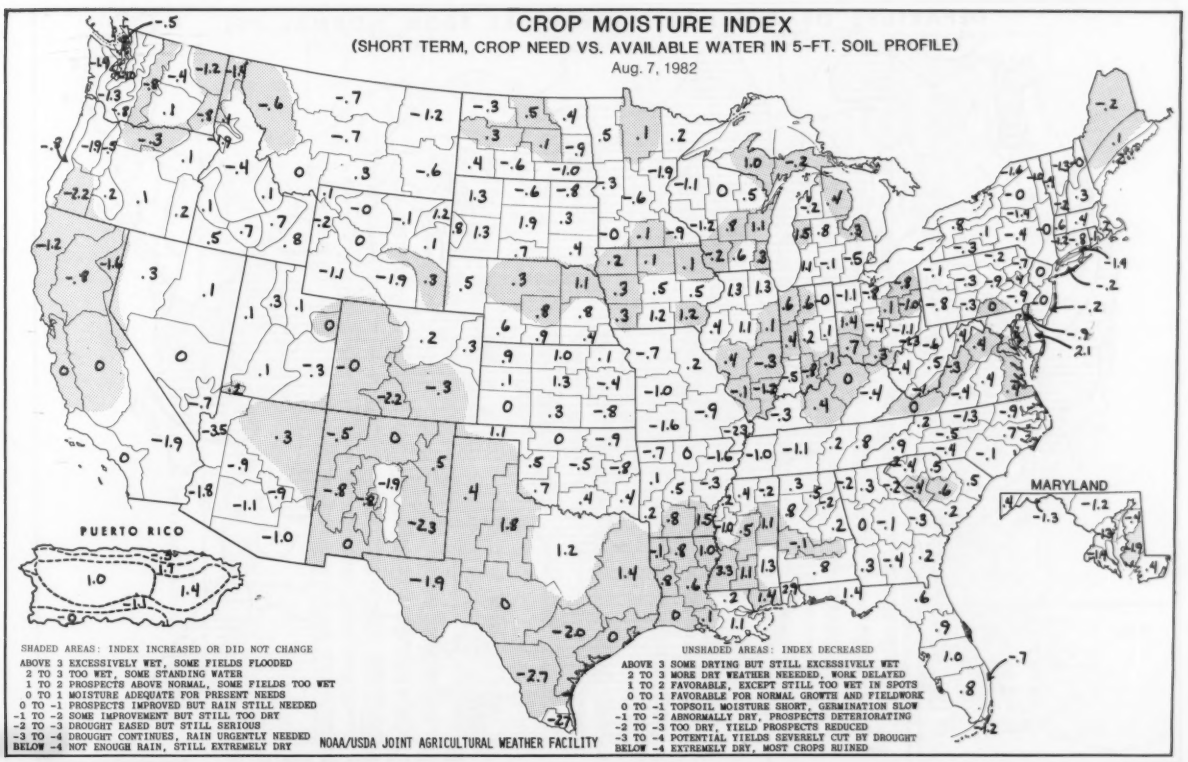
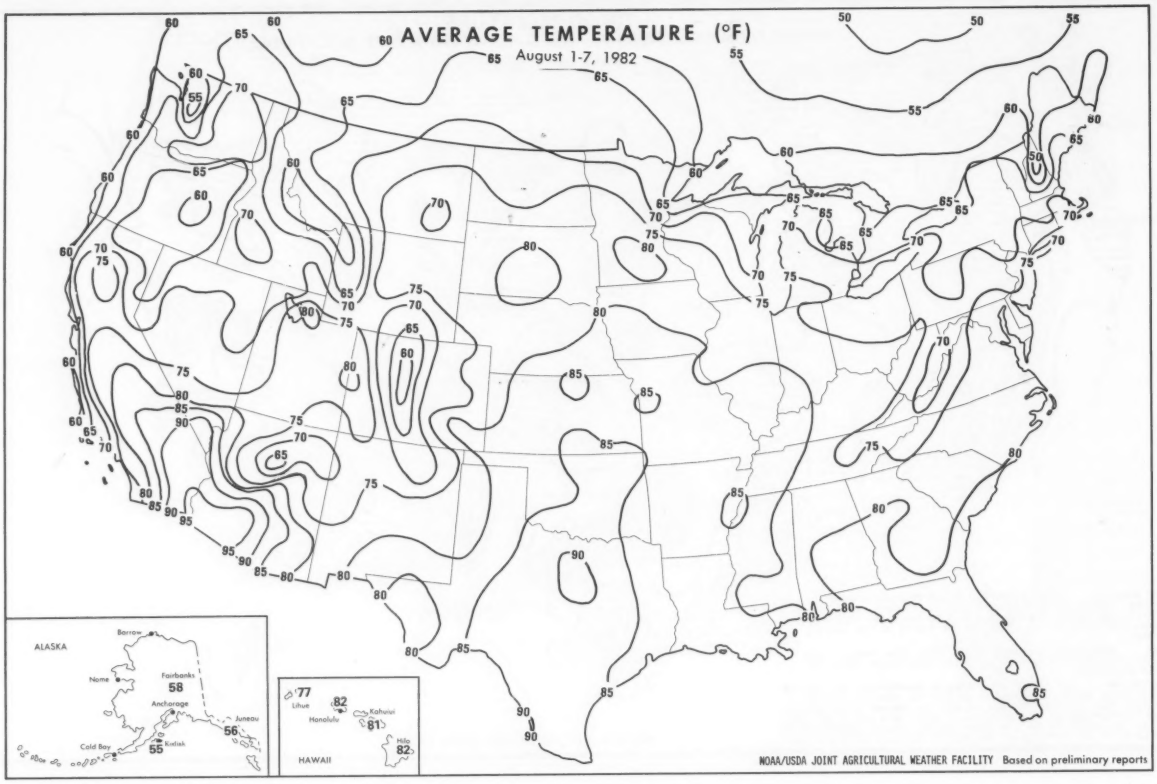
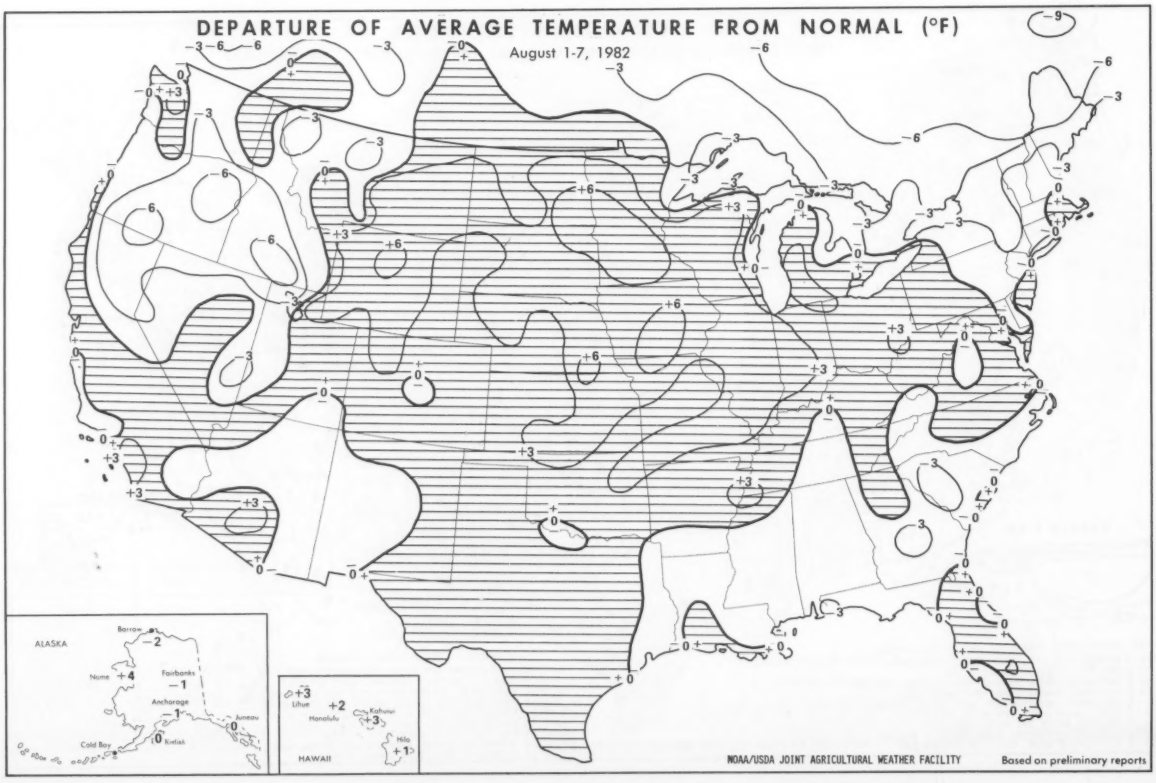

TOTAL PRECIPITATION, INCHES
August 1-7, 1982
SCALE OF SHADES
No Measurable Precipitation
0.01 to 0.3 inch
0.3 to 0.8 inch
0.8 to 2 inches
Over 2 inches
ALASKA
Barrow
Nome
Fairbanks
Anchorage
Juneau
Cold Bay
Kotlik
HAWAII
Lihue
Honolulu
Kahului
Hilo
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

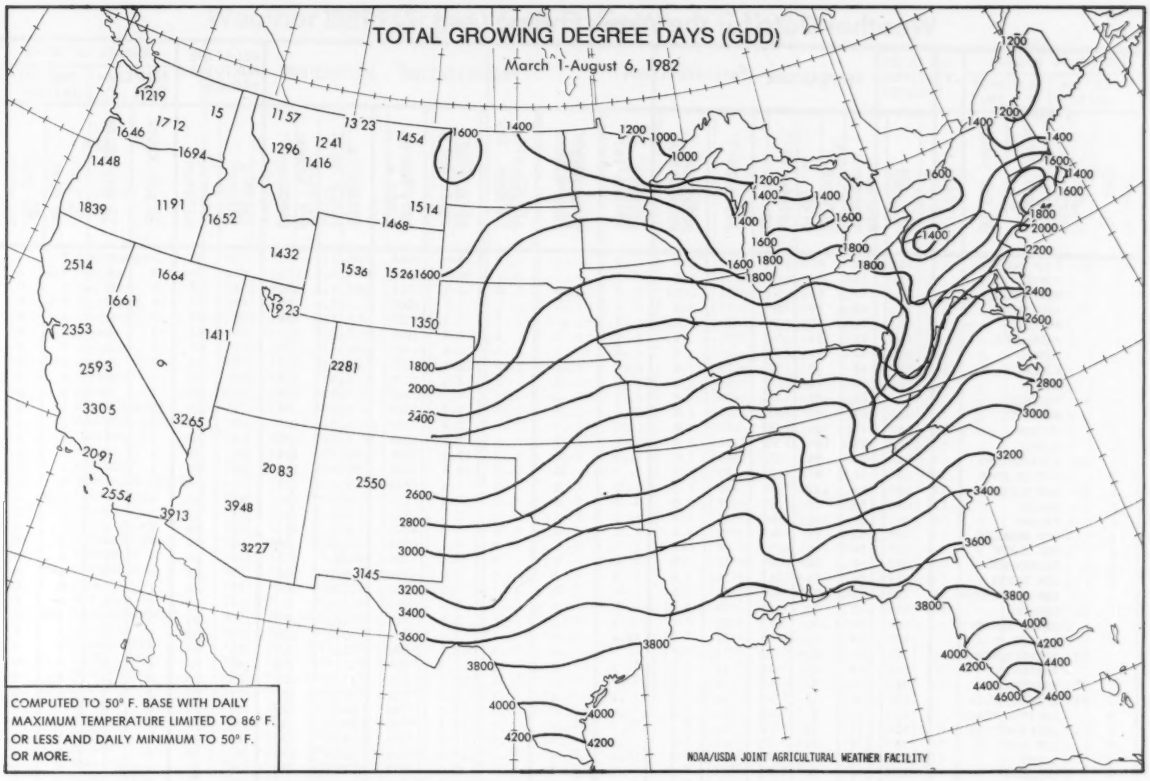

AVERAGE PAN EVAPORATION (INCHES/DAY)
(NWS STANDARD, 4-FOOT CLASS A)
August 1-7, 1982
CROP-PAN EVAP. COEFFICIENTS | REFERENCE DATA IN PREVIOUS ISSUES
VEGETABLES | JUNE 23, 1981
COTTON | JULY 21, 1981
SOYBEANS | JULY 28, 1981
PEANUTS | JULY 28, 1981
CORN | AUGUST 4, 1981
SUGARCANE | JUNE 9, 1981
MEADOW | JUNE 9, 1981
CONVERSION SCALE
INCHES/WEEK
INCHES/DAY
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


CROP MOISTURE
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)
Aug. 7, 1982
EXCESSIVELY DRY
ABNORMALLY DRY
SLIGHTLY DRY
ABNORMALLY MOIST
FAVORABLY MOIST
SEVERELY DRY
TOO WET
CROP MOISTURE ... DEPICTS SHORT TERM (UP TO ABOUT 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK, AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND ENDING OF THE GROWING SEASON.
USES ... APPLICABLE IN MEASURING THE SHORT TERM, WEEK-TO-WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS.
LIMITATIONS ... MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW-ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55°F. IT IS NOT GENERALLY INDICATIVE OF THE LONG TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX (PALMER).
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY


CROP MOISTURE INDEX
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)
Aug. 7, 1982
PUERTO RICO
MARYLAND
SHADED AREAS: INDEX INCREASED OR DID NOT CHANGE
ABOVE 3 EXCESSIVELY WET, SOME FIELDS FLOODED
2 TO 3 TOO WET, SOME STANDING WATER
1 TO 2 PROSPECTS ABOVE NORMAL, SOME FIELDS TOO WET
0 TO 1 MOISTURE ADEQUATE FOR PRESENT NEEDS
0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2 SOME IMPROVEMENT BUT STILL TOO DRY
-2 TO -3 DROUGHT EASED BUT STILL SERIOUS
-3 TO -4 DROUGHT CONTINUES, RAIN URGENTLY NEEDED
BELOW -4 NOT ENOUGH RAIN, STILL EXTREMELY DRY
UNSHADED AREAS: INDEX DECREASED
ABOVE 3 SOME DRYING BUT STILL EXCESSIVELY WET
2 TO 3 MORE DRY WEATHER NEEDED, WORK DELAYED
1 TO 2 FAVORABLE, EXCEPT STILL TOO WET IN SPOTS
0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 TO -1 TOPSOIL MOISTURE SHORT, GERMINATION SLOW
-1 TO -2 ABNORMALLY DRY, PROSPECTS DETERIORATING
-2 TO -3 TOO DRY, YIELD PROSPECTS REDUCED
-3 TO -4 POTENTIAL YIELDS SEVERELY CUT BY DROUGHT
BELOW -4 EXTREMELY DRY, MOST CROPS RUINED
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY


AVERAGE TEMPERATURE (°F)
August 1-7, 1982
ALASKA
Barrow
Nome
Fairbanks
58
Anchorage
Juneau
56
Cold Bay
55
Kodiak
HAWAII
77
Lihue
82
Honolulu
Kahului
81
Hilo
82
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports


DEPARTURE OF AVERAGE TEMPERATURE FROM NORMAL (°F)
August 1-7, 1982
ALASKA
Barrow
−2
Nome
+4
Fairbanks
−1
Anchorage
−1
Juneau
0
Cold Bay
0
Kodiak
HAWAII
+3
Lihue
+2
Honolulu
Kahului
+3
Hilo
+1
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


TOTAL GROWING DEGREE DAYS (GDD)
March 1-August 6, 1982
COMPUTED TO 50° F. BASE WITH DAILY MAXIMUM TEMPERATURE LIMITED TO 86° F. OR LESS AND DAILY MINIMUM TO 50° F. OR MORE.
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

COOLING DEGREE DAYS (BASE 65°) FOR WEEK ENDING AUG. 8, 1982.
BASED ON 1941-70 NORMALS. * ACCUMULATION FROM JAN. 1, 1982

STATES AND STATIONS	WEEKLY TOTAL	WEEKLY DEPARTURE*	SEASONAL ACCUMULATION * TOTAL	SEASONAL ACCUMULATION * DEPARTURE*	SEASONAL ACCUMULATION * DEPARTURE FROM 1981
ALA.					
BIRMINGHAM	122	8	1243	13	169
MOBILE	110	6	1402	66	50
MONTGOMERY	118	6	1353	128	56
ARIZ.					
FLAGSTAFF	81	6	760	45	176
PHOENIX	219	9	2601	46	365
TUCSON	196	11	2357	147	395
YUMA	224	13	2535	48	375
ARK.					
FORT SMITH	124	7	1134	171	161
LITTLE ROCK	122	7	1337	77	103
CALIF.					
BAKERSFIELD	44	17	1737	395	36
EUREKA	0	0	0	0	0
FRESNO	116	5	1255	1	520
LOS ANGELES	67	2	1004	55	96
RED BLUFF	80	3	1454	134	365
SAN DIEGO	73	4	1134	136	196
SAN FRANCISCO	13	3	268	0	0
STOCKTON	81	2	1611	67	520
COLO.					
DENVER	64	4	873	54	273
GRAND JUNCTION	109	16	884	48	169
PUEBLO	92	13	1040	21	270
CONN.					
BRIDGEPORT	55	8	382	91	115
HARTFORD	71	20	463	30	126
DEL.					
WILMINGTON	85	12	745	82	15
D.C.					
WASHINGTON	100	6	998	61	189
FLA.					
APALACHICOLA	117	0	1560	69	7
DAYTONA BEACH	102	11	1677	211	94
FORT MYERS	131	7	2676	54	251
JACKSONVILLE	101	1	1760	31	0
KEY WEST	80	1	1908	50	0
LAKELAND	120	3	2008	108	0
MIAMI	136	10	2260	168	0
ORLANDO	125	6	2167	252	147
TALLAHASSEE	108	2	1662	1	61
TAMPA	128	8	2265	211	0
WEST PALM BEACH	131	12	2557	380	259
GA.					
ATLANTA	91	0	1328	148	240
AUGUSTA	106	0	1556	76	115
MACON	106	13	1551	47	115
SAVANNAH	112	7	1551	175	177
IDAHO					
BOISE	154	14	1374	107	96
LEWISTON	201	14	2332	96	252
POCATELLO	180	10	2134	88	253
ILL.					
CAIRO	126	35	1262	95	25
CHICAGO	96	25	1078	11	0
DIXIE	96	27	1263	11	53
PEORIA	98	27	1078	11	0
ROCKFORD	86	25	1022	11	0
SPRINGFIELD	115	30	1318	64	64
IND.					
EVANSVILLE	116	27	978	33	173
FORT WAYNE	86	22	1045	75	0
INDIANAPOLIS	98	25	1145	85	0
SOUTH BEND	82	17	1000	85	0
IOWA					
BURLINGTON	104	26	1083	3	0
DES MOINES	104	25	1078	3	0
DUBUQUE	87	21	1000	59	0
SIOUX CITY	104	27	1200	59	0
KANS.					
CONCORDIA	139	41	885	29	16
DODGE CITY	142	47	883	37	34
GOODLAND	140	51	1000	154	58
TOPEKA	110	21	758	37	0
WICHITA	149	51	958	141	58
KY.					
LEXINGTON	98	21	785	26	11
LOUISVILLE	105	21	848	31	0
LA.					
BATON ROUGE	113	6	1491	254	23
LAKE CHARLES	107	4	1477	212	0
NEW ORLEANS	113	7	1491	254	23
SHREVEPORT	123	10	1615	24	118
MAINE					
CARIBOU	71	14	141	36	1
PORTLAND	71	20	184	12	46
MD.					
BALTIMORE	81	2	745	1	105
MASS.					
BOSTON	63	13	453	8	196
MICH.					
ALPENA	21	7	166		0
DETROIT	87	27	1000		0
FLINT	81	27	1000		0
GRAND RAPIDS	87	27	1000		0
HOUGHTON LAKE	81	27	1000		0
LANSING	81	27	1000		0
MARQUETTE	70	24	1000		0
MUSKEGON	70	24	1000		0
STE. MARIE	51	16	1000		0
MINN.					
DULUTH	74	24	1000		0
INTERNATIONAL FALLS	57	19	1000		0
MINNEAPOLIS	78	24	1000		0
ROCHESTER	78	24	1000		0
ST. CLOUD	78	24	1000		0
MISS.					
JACKSON	115	7	1533	105	98
MERIDIAN	112	7	1533	98	98
MO.					
COLUMBIA	100	19	768	98	117
KANSAS CITY	104	25	1000	0	0
ST. LOUIS	102	24	1000	0	0
SPRINGFIELD	110	24	1000	0	0
MONT.					
BILLINGS	86	34	354	4	82
GLASGOW	0	0	0	0	0
GREAT FALLS	3	3	3	3	3
HAVRE	0	0	0	0	0
HELENA	0	0	0	0	0
KALISPELL	0	0	0	0	0
MILES CITY	0	0	0	0	0
MISSOULA	16	16	125	4	41
NEBR.					
GRAND ISLAND	55	15	599	116	130
LINCOLN	124	41	1000	0	0
NORFOLK	124	41	1000	0	0
NORTH PLATTE	124	41	1000	0	0
OMAHA	88	18	1000	113	0
VALENTINE	88	18	321	0	0
NEV.					
ELY	11	10	1200	0	0
LAS VEGAS	1	1	1200	0	0
RENO	13	13	1200	0	0
WINNEMUCCA	0	0	1200	0	0
N.H.					
CONCORD	34	1	238	21	97
N.J.					
ATLANTIC CITY	74	14	686	105	16
TRENTON	83	10	1000	0	0
N.MEX.					
ALBUQUERQUE	90	1	892	2	149
ROSWELL	110	12	1150	93	41
N.Y.					
ALBANY	74	14	674	120	82
BINGHAMTON	81	24	1000	0	0
BUFFALO	87	27	1000	0	0
NEW YORK	77	12	1000	12	0
ROCHESTER	87	27	1000	0	0
SYRACUSE	81	27	1000	0	0
N.C.					
ASHEVILLE	61	1	650	106	0
CHARLOTTE	91	2	1000	0	0
GREENSBORO	91	2	1000	0	0
HATTERAS	11	11	1000	0	0
RALEIGH	91	2	1000	0	0
WILMINGTON	102	5	1151	100	128
N. DAK.					
BISMARCK	74	28	314	0	0
FARGO	57	19	1000	0	0
WILLISTON	54	12	1000	0	0
OHIO					
AKRON-CANTON	87	27	1000	0	0
CINCINNATI	87	27	1000	0	0
CLEVELAND	87	27	1000	0	0
COLUMBUS	87	27	1000	0	0
DAYTON	87	27	1000	0	0
TOLEDO	87	27	1000	0	0
YOUNGSTOWN	60	18	362	7	111
OKLA.					
OKLAHOMA CITY	138	45	1063	111	285
TULSA	140	45	1063	111	285
OREG.					
BURNS	0	0	0	0	0
MEDFORD	56	1	1200	0	0
PENDLETON	0	0	0	0	0
PORTLAND	26	1	1200	0	0
SALEM	0	0	0	0	0
PA.					
ALLENTOWN	74	14	674	120	82
ERIE	87	27	1000	0	0
HARRISBURG	81	24	1000	0	0
PHILADELPHIA	77	12	1000	12	0
PITTSBURGH	87	27	1000	0	0
SCRANTON	74	14	674	120	82
R.I.					
PROVIDENCE	42	7	398	32	194
S.C.					
CHARLESTON	111	4	1377	77	177
COLUMBIA	111	4	1377	77	177
GREENVILLE	91	2	1000	0	0
S.DAK.					
ABERDEEN	74	28	314	0	0
HURON	87	27	1000	0	0
RAPID CITY	89	27	1000	0	0
SIOUX FALLS	87	27	1000	0	0
TENN.					
CHATTANOOGA	91	2	1043	0	0
KNOXVILLE	91	2	1000	0	0
MEMPHIS	111	4	1377	77	177
NASHVILLE	98	2	1000	0	0
TEXAS					
ABILENE	148	8	1580	0	0
AMARILLO	148	8	1580	0	0
AUSTIN	128	4	1377	77	177
BEAUMONT	128	4	1377	77	177
BROWNSVILLE	128	4	1377	77	177
CORPUS CHRISTI	128	4	1377	77	177
DEL RIO	128	4	1377	77	177
EL PASO	148	8	1580	0	0
FORT WORTH	128	4	1377	77	177
GALVESTON	128	4	1377	77	177
HOUSTON	128	4	1377	77	177
LUBBOCK	148	8	1580	0	0
MIDLAND	148	8	1580	0	0
SAN ANGELO	148	8	1580	0	0
SAN ANTONIO	128	4	1377	77	177
VICTORIA	128	4	1377	77	177
WACO	128	4	1377	77	177
WICHITA FALLS	148	8	1580	0	0
UTAH					
SALT LAKE CITY	92	7	628	13	108
VT.					
BURLINGTON	25	10	244	4	125
VA.					
LYNCHBURG	5	5	714	0	0
NORFOLK	91	2	1000	0	0
RICHMOND	91	2	1000	0	0
ROANOKE	91	2	1000	0	0
WASH.					
QUILLAYUTE	0	0	0	0	0
SEATTLE-TACOMA	0	0	0	0	0
SPOKANE	0	0	0	0	0
WALLA WALLA	0	0	0	0	0
YAKIMA	0	0	0	0	0
W.VA.					
BECKLEY	74	14	674	120	82
CHARLESTON	87	27	1000	0	0
PARKERSBURG	87	27	1000	0	0
WIS.					
GREEN BAY	74	24	1000	0	0
LACROSSE	78	24	1000	0	0
MADISON	78	24	1000	0	0
MILWAUKEE	78	24	1000	0	0
WYO.					
CASPER	0	0	0	0	0
CHEYENNE	0	0	0	0	0
LANDER	0	0	0	0	0
SHERIDAN	0	0	0	0	0

Weather Data for the Week Ending Aug. 7, 1982

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE May 30	PCT. NORMAL SINCE May 30	TOTAL, IN., SINCE Jan. 1	PCT. NORMAL SINCE Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	89	70	92	67	79	-1	1.2	.2	.8	19.9	188	46.2	138	98	55	3	0	2	1
MOBILE	89	72	94	70	80	-2	1.8	.1	1.4	26.3	153	51.0	123	91	54	3	0	3	1
MONTGOMERY	90	72	94	71	81	-1	0	- .8	0	12.3	118	42.4	137	87	53	4	0	0	0
AK ANCHORAGE	64	49	69	44	57	-1	T	- .5	T	3.9	103	5.8	84	87	52	0	0	0	0
BARROW	42	32	65	29	37	-2	.2	- .1	.2	1.1	73	2.7	104	100	88	0	5	1	0
FAIRBANKS	68	47	76	44	58	-1	T	- .5	T	4.3	105	7.3	112	79	42	0	0	0	0
JUNEAU	64	47	71	42	56	0	.8	- .3	.4	4.4	49	22.5	90	96	69	0	0	3	0
KODIAK	62	48	70	45	55	0	.8	- .1	.7	12.0	135	34.5	117	92	66	0	0	2	1
NOME	62	46	74	38	54	4	T	- .8	T	3.4	79	9.0	111	80	57	0	0	0	0
AZ PHOENIX	105	85	108	83	95	4	.1	- .2	.1	.5	45	3.8	109	49	20	7	0	2	0
PRESCOTT	85	64	88	60	74	0	.1	- .8	.1	.7	15	7.1	68	71	27	0	0	1	0
TUCSON	96	73	101	70	85	0	.6	.1	.6	2.9	97	6.3	109	65	23	7	0	2	1
YUMA	107	85	109	81	96	1	0	- .1	0	.2	100	1.8	150	48	18	7	0	0	0
AR FORT SMITH	92	73	96	72	83	0	1.3	.6	.8	11.2	138	30.9	116	94	55	6	0	2	2
LITTLE ROCK	92	74	97	71	83	1	.3	- .4	.3	10.6	149	35.4	120	93	60	5	0	1	0
CA BAKERSFIELD	99	70	107	66	84	1	0	0	0	0	+100	4.3	116	56	18	7	0	0	0
EUREKA	64	53	68	51	59	2	0	0	0	.8	114	24.4	110	91	68	0	0	0	0
FRESNO	96	65	101	60	81	1	T	0	T	.3	300	8.6	137	72	23	7	0	0	0
LOS ANGELES	79	66	88	63	72	3	0	0	0	0	+100	8.6	115	85	58	0	0	0	0
RED BLUFF	92	64	104	59	78	-3	0	0	0	1.8	360	12.8	99	64	22	5	0	0	0
SACRAMENTO	88	57	96	49	72	-2	0	0	0	.1	100	18.1	156	64	24	3	0	0	0
SAN DIEGO	79	69	84	67	74	3	0	0	0	0	+100	9.0	161	85	62	0	0	0	0
SAN FRANCISCO	75	53	93	49	64	2	T	0	T	.1	100	22.6	200	79	44	1	0	0	0
CO DENVER	88	62	93	59	75	1	.3	0	.3	3.7	93	7.9	77	77	24	2	0	4	0
GRAND JUNCTION	94	66	100	63	80	2	.4	.2	.4	1.0	91	3.3	73	65	21	5	0	3	0
PUEBLO	92	65	95	63	79	2	2.4	1.9	2.3	7.6	200	10.6	134	85	32	0	3	1	0
CT BRIDGEPORT	79	65	84	62	72	-2	.3	- .6	.3	14.7	201	32.1	145	93	63	0	0	1	0
HARTFORD	84	63	90	61	73	1	0	- .8	0	16.3	209	33.5	140	87	49	1	0	0	0
DC WASHINGTON	86	71	90	68	79	0	.7	- .4	.4	10.4	113	25.8	111	83	56	1	0	3	0
FL APALACHICOLA	89	74	92	70	81	-1	.1	- 1.6	.1	15.6	101	37.0	115	93	62	2	0	2	0
DAYTONA BEACH	88	71	93	68	80	-2	.4	- 1.1	.3	15.7	106	34.7	128	97	62	2	0	2	0
JACKSONVILLE	92	73	96	71	82	1	1.1	- .6	.9	14.3	91	29.1	94	99	56	7	0	4	1
KEY WEST	90	79	91	75	85	0	.2	- .7	.2	11.6	117	24.4	129	85	62	4	0	1	0
MIAMI	91	77	96	72	84	1	1.4	0	.7	18.6	106	40.0	124	91	56	5	0	3	2
ORLANDO	91	74	94	73	83	1	.9	- .7	.4	21.6	122	38.5	125	84	52	7	0	4	0
TALLAHASSEE	89	72	92	70	81	-1	.9	- .8	.8	20.6	116	41.2	106	97	56	4	0	4	1
TAMPA	89	75	92	73	82	0	1.3	- .6	.7	23.7	139	35.2	118	97	61	4	0	6	1
WEST PALM BEACH	91	75	95	73	83	1	.9	- .5	.4	14.0	85	48.9	151	87	57	7	0	5	0
GA ATLANTA	87	68	92	65	78	-1	.1	- .8	.1	12.6	130	36.7	117	92	52	1	0	1	0
AUGUSTA	89	68	92	66	78	-2	.8	- .3	.8	8.3	81	26.2	94	94	51	4	0	2	1
MACON	88	70	93	66	79	-3	1.0	.1	.5	9.7	100	32.7	115	97	61	2	0	4	0
SAVANNAH	89	72	92	67	80	-1	3.2	1.6	2.9	21.9	136	37.7	116	89	51	3	0	3	1
HI HILO	83	71	85	67	77	1	8.0	5.4	5.9	38.5	196	120.3	162	96	70	0	0	7	3
HONOLULU	89	75	90	75	82	2	T	- .1	T	.7	58	20.8	161	79	53	2	0	1	0
KAHULUI	88	74	91	69	81	3	1.1	1.0	1.1	1.8	225	22.2	200	79	50	3	0	1	1
LIHUE	87	77	88	76	82	3	.8	.3	.3	4.9	123	43.0	185	93	71	0	0	4	0
ID BOISE	89	53	96	45	71	-4	0	- .1	0	1.8	129	7.3	99	61	18	3	0	0	0
LEWISTON	89	59	105	53	74	0	T	- .1	T	1.1	44	6.5	84	65	21	3	0	1	0
POCATELLO	89	51	97	46	70	-2	T	- .1	T	1.8	100	8.2	115	77	19	5	0	1	0
IL CHICAGO	84	68	95	64	76	4	2.5	1.9	2.1	11.4	134	24.1	121	93	61	1	0	4	1
MOLINE	87	71	96	65	79	4	1.6	.7	1.3	14.0	136	28.5	131	93	67	3	0	4	1
PEORIA	87	70	94	61	78	3	.9	.2	.4	11.8	137	28.9	133	95	66	3	0	4	0
QUINCY	87	71	95	62	79	1	1.4	.6	.9	13.4	134	28.4	--	92	65	2	0	2	2
ROCKFORD	85	69	94	62	77	4	1.6	.7	.9	14.9	154	28.0	127	91	65	1	0	3	1
SPRINGFIELD	92	69	98	60	81	5	.9	.2	.4	6.7	75	22.7	107	95	60	4	0	3	0
IN EVANSVILLE	92	69	97	62	80	2	T	- .7	T	6.7	78	29.2	108	96	50	4	0	0	0
FORT WAYNE	84	66	90	59	75	2	.6	- .1	.5	9.0	103	27.2	120	89	58	1	0	2	1
INDIANAPOLIS	89	69	92	59	79	4	.1	- .5	.1	9.4	107	29.1	120	91	56	3	0	2	0
SOUTH BEND	82	68	88	63	75	3	1.4	.6	.7	12.3	145	27.6	130	95	68	0	0	3	2
IA DES MOINES	90	72	98	66	81	6	2.5	1.8	2.1	11.1	122	28.6	145	81	55	4	0	3	1
SIOUX CITY	90	72	96	68	81	5	.4	- .3	.2	6.6	75	17.0	98	80	53	3	0	3	0
WATERLOO	88	71	97	67	79	6	.5	- .3	.5	8.5	79	22.1	105	86	58	3	0	2	0
KS CONCORDIA	95	75	102	72	85	6	.2	- .5	.2	16.3	177	29.3	163	77	42	5	0	1	0
DODGE CITY	94	72	102	70	83	3	.3	- .3	.3	9.1	130	14.7	111	81	38	6	0	1	0
GOODLAND	91	64	95	61	78	2	T	- .6	T	13.3	215	19.9	176	79	28	5	0	0	0
TOPEKA	91	72	98	64	82	3	.6	- .3	.6	13.0	115	26.1	118	90	53	4	0	1	1
WICHITA	98	74	104	68	86	4	T	- .7	T	9.4	97	21.8	117	74	37	6	0	0	0
KY BOWLING GREEN	87	66	91	59	76	-3	T	- .8	T	7.5	84	27.7	90	100	55	1	0	1	0
LEXINGTON	88	68	93	61	78	2	.2	- .7	.1	7.8	76	23.6	82	89	50	2	0	2	0
LOUISVILLE	88	70	94	62	79	2	.6	- .2	.6	8.8	99	26.9	96	88	55	2	0	1	1
LA ALEXANDRIA	92	73	94	72	83	-1	2.6	1.8	1.7	13.3	136	30.8	--	86	52	6	0	2	2
BATON ROUGE	89	73	93	70	81	-1	1.2	- .1	.4	8.8	74	30.1	88	96	60	3	0	5	0
LAKE CHARLES	92	74	97	72	83	0	2.7	1.4	2.3	10.8	79	27.7	82	92	54	6	0	3	1
NEW ORLEANS	89	73	92	70	81	-1	.5	- .8	.4	18.3	138	38.3	109	94	56	3	0	3	0

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

+100 = NORMAL & ACTUAL NEAR THE SAME

Weather Data for the Week Ending Aug 7, 1982

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE May 30	PCT. NORMAL SINCE May 30	TOTAL, IN., SINCE Jan. 1	PCT. NORMAL SINCE Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	SHREVEPORT	93	72	97	70	83	-2	.1	- .5	.1	6.2	86	20.6	74	97	53	6	0	2	0
ME	CARIBOU	67	49	79	41	58	-6	.5	- .4	.4	7.5	86	19.3	98	87	51	0	0	3	0
	PORTLAND	73	58	81	52	65	-3	1.0	.5	.9	11.0	175	28.6	127	94	61	0	0	2	1
MD	BALTIMORE	85	66	90	63	76	-1	.3	- .7	.2	8.1	91	24.0	100	82	53	1	0	3	0
	SALISBURY	86	68	90	63	77	0	.1	- 1.2	.1	10.6	114	26.8	105	92	53	1	0	1	0
MA	BOSTON	78	64	85	61	71	-2	T	- .7	T	18.1	266	33.5	139	81	54	0	0	0	0
	CHATHAM	73	60	78	56	66	--	0	--	0	7.1	--	24.9	--	91	74	0	0	0	0
MI	ALPENA	75	53	85	48	64	-2	1.2	.7	.8	6.5	108	14.0	93	96	66	0	0	2	1
	DETROIT	83	65	87	60	74	2	T	- .8	T	8.9	119	21.0	109	87	57	0	0	1	0
	FLINT	83	64	86	60	73	3	.4	- .3	.4	6.6	92	14.0	80	91	60	0	0	3	0
	GRAND RAPIDS	85	66	92	64	75	4	1.0	.5	.8	7.5	104	19.5	105	84	51	1	0	3	1
	HOUGHTON LAKE	79	58	84	53	69	2	1.7	1.2	1.3	8.9	125	19.2	121	98	63	0	0	2	1
	LANSING	84	62	89	58	73	2	.2	- .4	.1	6.8	97	14.8	80	98	62	0	0	2	0
	MARQUETTE	75	55	83	47	65	0	1.9	1.1	1.2	7.9	87	21.3	108	100	70	0	0	4	2
	MUSKEGON	83	66	89	65	74	4	1.7	1.2	.8	7.0	121	19.8	116	94	62	0	0	3	2
	SAULT STE. MARIE	73	53	80	47	63	-2	1.1	.5	1.1	4.5	67	17.9	110	95	61	0	0	3	1
MN	ALEXANDRIA	90	65	94	58	77	7	.4	- .5	.4	8.2	96	17.6	113	96	43	3	0	1	0
	DULUTH	74	55	82	48	64	-2	.1	- .8	.1	8.3	90	19.1	106	93	66	0	0	3	0
	INT'L FALLS	79	57	85	51	68	2	1.8	1.1	1.1	7.2	80	14.7	94	99	67	0	0	2	2
	MINNEAPOLIS	92	68	98	60	80	8	.1	- .6	.1	3.0	34	14.3	88	84	41	6	0	1	0
	ROCHESTER	87	67	94	63	77	6	.4	- .4	.2	6.5	68	20.5	116	93	60	3	0	3	0
MS	GREENWOOD	90	72	97	71	81	-1	.1	- .7	.1	8.1	94	32.6	--	93	57	3	0	1	0
	JACKSON	88	72	93	70	80	-2	3.4	2.5	3.3	18.9	212	40.7	132	100	62	3	0	3	1
	MERIDIAN	89	71	95	68	80	-2	1.8	.8	1.2	16.6	163	40.1	123	94	57	5	0	3	2
MO	CAPE GIRARDEAU	95	70	101	63	83	3	1.1	.3	1.0	9.4	118	32.4	125	98	45	6	0	2	1
	COLUMBIA	91	69	99	60	80	2	.5	- .2	.4	10.0	106	24.2	109	91	51	5	0	3	0
	KANSAS CITY	93	74	101	65	83	5	.7	- .1	.7	11.7	106	27.4	121	85	50	4	0	1	1
	SAINT LOUIS	93	74	98	64	84	5	.4	- .3	.3	15.1	166	30.8	136	92	49	5	0	2	0
	SPRINGFIELD	96	69	101	58	83	4	2.3	1.6	2.1	10.1	107	24.6	102	92	43	7	0	2	1
MT	BILLINGS	92	64	98	58	78	5	T	- .1	T	6.7	186	13.7	147	57	21	5	0	1	0
	GLASGOW	89	59	96	51	74	2	.1	- .2	.1	2.4	56	8.2	117	68	21	3	0	2	0
	GREAT FALLS	85	50	94	41	68	-2	T	- .2	T	3.8	81	12.5	119	65	20	2	0	2	0
	HAVRE	85	54	93	46	69	-1	.1	- .1	.1	1.8	44	9.6	122	63	18	2	0	1	0
	HELENA	87	53	94	47	70	1	T	- .2	T	3.4	92	8.7	116	60	19	3	0	0	0
	KALISPELL	79	45	89	40	62	-3	.3	.1	.2	5.9	159	13.2	142	94	35	0	0	3	0
	MILES CITY	94	65	98	57	80	4	0	- .2	0	5.8	112	10.4	108	57	17	6	0	0	0
	MISSOULA	83	48	92	44	65	-2	.3	.1	.3	3.1	100	11.4	146	97	31	2	0	2	0
NE	GRAND ISLAND	90	70	97	66	80	3	.7	.2	.7	8.2	101	23.5	146	88	50	3	0	1	1
	LINCOLN	93	73	100	68	83	5	T	- .7	T	9.9	108	22.1	123	85	52	4	0	1	0
	NORFOLK	89	70	95	65	79	3	1.2	.7	.9	5.9	68	18.2	110	80	47	3	0	2	1
	NORTH PLATTE	94	62	99	58	78	3	.3	- .3	.3	4.7	62	13.4	97	89	34	6	0	1	0
	OMAHA	90	71	98	69	81	5	T	- .9	T	6.9	71	22.2	117	84	56	4	0	2	0
	SCOTTSBLUFF	90	62	100	57	76	3	.5	.1	.4	12.1	237	16.5	157	73	30	3	0	2	0
	VALENTINE	95	64	106	60	80	4	1.2	.7	1.0	6.9	103	15.7	129	74	32	7	0	2	1
NV	ELY	87	49	91	41	68	0	.8	.7	.8	1.6	89	7.3	133	54	14	2	0	2	1
	LAS VEGAS	103	77	106	69	90	0	0	- .1	0	.1	13	1.9	79	27	9	7	0	0	0
	RENO	85	46	91	38	65	-4	T	- .1	T	1.0	143	4.2	93	71	17	1	0	0	0
	WINNEMUCCA	91	47	97	42	69	-2	0	0	0	2.3	177	4.6	85	38	11	4	0	0	0
NH	CONCORD	79	59	83	55	69	0	.4	- .3	.2	11.3	151	25.6	126	87	50	0	0	2	0
NJ	ATLANTIC CITY	86	66	92	58	76	1	0	- 1.2	0	7.0	77	21.2	81	93	56	1	0	0	0
NM	ALBUQUERQUE	91	63	94	58	77	-1	.2	- .2	.1	1.6	64	3.5	76	77	29	5	0	3	0
	CLOVIS	89	67	93	64	78	0	.9	.3	.6	7.6	125	10.5	--	88	42	4	0	3	1
	ROSWELL	93	68	95	66	80	1	.5	.1	.4	2.3	56	3.9	53	81	32	7	0	2	0
NY	ALBANY	80	58	84	55	69	-3	.2	- .5	.2	9.3	133	22.7	121	96	56	0	0	1	0
	BINGHAMTON	78	59	81	57	69	0	.4	- .5	.4	10.3	123	23.8	109	95	58	0	0	1	0
	BUFFALO	79	61	85	58	70	0	1.7	.9	1.2	6.6	110	23.2	119	95	60	0	0	2	1
	NEW YORK	81	68	87	66	75	-2	.7	- .3	.7	8.3	104	23.9	101	90	58	0	0	1	1
	ROCHESTER	79	60	85	57	70	-1	1.0	.3	.7	8.2	128	18.5	101	88	60	0	0	2	1
	SYRACUSE	79	57	85	52	68	-3	.3	- .5	.3	9.1	128	20.8	100	99	63	0	0	2	0
NC	ASHEVILLE	84	62	87	61	73	-1	.1	- 1.0	.1	14.4	141	35.7	130	99	60	0	0	1	0
	CHARLOTTE	86	69	88	67	77	-2	T	- 1.0	T	8.9	107	28.0	109	95	55	0	0	0	0
	GREENSBORO	87	67	89	64	77	0	T	- 1.0	T	12.6	133	31.7	128	92	56	0	0	1	0
	HATTERAS	85	69	88	63	77	-1	.1	- 1.4	.1	12.4	98	38.1	127	99	67	0	0	1	0
	NEW BERN	88	70	91	67	79	-1	.1	- 1.6	.1	11.1	72	29.0	86	89	52	3	0	1	0
	RALEIGH	88	69	90	67	79	1	T	- 1.2	T	12.6	122	30.9	120	91	51	1	0	1	0
	WILMINGTON	87	70	89	68	79	-2	.3	- 1.4	.3	16.3	101	36.3	111	92	54	0	0	1	0
ND	BISMARCK	91	58	95	53	74	2	.2	- .3	.1	4.3	68	11.0	100	88	30	4	0	2	0
	FARGO	92	63	102	58	78	6	.4	- .3	.4	4.8	65	10.0	77	88	33	5	0	1	0
	GRAND FORKS	86	60	88	54	73	4	.4	- .2	.4	6.6	96	12.5	102	99	49	0	0	1	0
	WILLISTON	90	59	96	50	75	3	.7	.3	.6	4.7	81	10.6	103	74	29	4	0	4	1
OH	AKRON-CANTON	84	64	87	61	74	2	.8	.1	.8	7.4	87	22.0	99	91	54	0	0	2	1
	CINCINNATI	89	67	92	58	78	2	2.9	2.2	2.5	9.6	108	28.8	112	88	49	2	0	3	1
	CLEVELAND	83	64	86	58	73	2	1.3	.6	1.0	7.7	100	21.0	98	93	56	0	0	2	1
	COLUMBUS	85	65	89	59	75	2	.3	- .4	.3	7.5	81	24.3	98	93	57	0	0	1	0

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending Aug. 7, 1982

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE May 30	PCT. NORMAL SINCE May 30	TOTAL, IN., SINCE Jan. 1	PCT. NORMAL SINCE Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	87	66	92	61	77	2	3.4	2.7	2.3	9.2	110	29.1	127	95	60	2	0	3	2
TOLEDO	84	63	88	56	74	2	.2	- .5	.1	4.4	56	16.8	87	97	57	0	0	3	0
YOUNGSTOWN	85	61	91	56	73	2	.1	- .7	.1	6.6	79	20.8	89	96	48	1	0	2	0
OK OKLAHOMA CITY	95	74	99	72	84	2	1.1	.6	1.0	8.2	108	27.7	142	79	42	7	0	2	1
TULSA	98	77	102	73	88	5	.7	.1	.7	6.8	76	21.9	96	86	41	7	0	2	1
OR ASTORIA	69	51	74	43	60	-1	.1	- .1	.1	2.2	61	41.1	123	93	58	0	0	2	0
BURNS	83	40	93	32	62	-7	T	- .1	T	1.2	86	6.2	90	--	--	1	0	1	0
MEDFORD	85	53	100	46	69	-3	.0	- .1	0	1.0	71	9.2	85	79	31	3	0	0	0
PENDLETON	83	57	101	51	70	-3	0	- .1	0	.8	57	5.5	79	63	23	2	0	0	0
PORTLAND	80	58	94	54	69	1	T	- .1	T	2.6	124	21.3	112	79	38	2	0	1	0
SALEM	81	50	94	45	66	-1	0	- .1	0	1.8	90	21.3	99	86	36	2	0	0	0
PA ALLENTOWN	82	63	86	60	72	-1	.6	- .4	.4	11.2	122	27.4	109	94	55	0	0	2	0
ERIE	79	63	82	58	71	2	.7	0	.4	11.2	140	24.6	117	87	60	0	0	3	0
HARRISBURG	84	66	90	63	75	0	1.0	0	.6	11.4	103	27.6	108	93	54	1	0	2	1
PHILADELPHIA	86	69	89	62	77	1	.1	- .9	.1	8.4	93	28.6	123	86	46	0	0	1	0
PITTSBURGH	84	62	88	57	73	1	.2	- .6	.2	5.8	68	21.1	93	95	56	0	0	1	0
SCRANTON	81	61	85	59	71	-1	.6	- .2	.4	11.0	126	25.4	123	97	62	0	0	2	0
RI PROVIDENCE	79	62	83	57	71	-1	T	- .8	T	15.0	231	33.1	143	86	53	0	0	1	0
SC CHARLESTON	88	71	90	68	80	-1	1.0	- .6	.8	15.8	95	32.4	99	92	54	1	0	2	1
COLUMBIA	88	67	91	64	78	-3	2.8	1.5	1.9	18.0	161	36.3	126	95	54	2	0	2	2
FLORENCE	87	69	89	66	78	-2	1.6	.4	.8	12.7	102	30.1	108	97	57	0	0	4	2
GREENVILLE	84	67	86	64	76	-3	T	- .9	T	16.9	182	40.6	139	92	59	0	0	0	0
SD ABERDEEN	94	64	98	58	79	6	--	--	--	--	--	--	--	87	29	7	0	0	0
HURON	90	68	99	64	79	4	.1	- .3	.1	7.4	110	15.5	120	94	47	5	0	1	0
RAPID CITY	87	60	93	57	74	0	3.3	3.0	2.6	8.0	129	17.3	137	86	42	1	0	3	1
SIOUX FALLS	89	69	97	60	79	5	T	- .6	T	6.9	85	14.5	90	88	52	3	0	1	0
TN CHATTANOOGA	88	67	92	64	78	-1	T	- .9	T	7.7	76	32.6	99	96	49	2	0	0	0
KNOXVILLE	88	68	91	63	78	0	T	- .8	T	10.6	110	36.7	124	95	55	2	0	1	0
MEMPHIS	92	78	96	74	85	3	.8	0	.8	12.2	147	39.2	126	90	56	6	0	1	1
NASHVILLE	89	68	91	65	78	-2	.8	0	.5	9.0	107	31.9	110	97	51	3	0	2	0
TX ABILENE	99	75	100	73	87	2	.5	0	.5	6.0	102	15.9	108	71	27	7	0	1	0
AMARILLO	92	67	94	66	80	1	0	- .7	0	10.8	154	14.3	117	78	35	7	0	0	0
AUSTIN	99	77	102	73	88	2	0	- .4	0	3.1	55	16.0	86	79	30	7	0	0	0
BEAUMONT	90	75	93	73	83	-1	.8	- .6	.4	15.1	119	38.8	122	94	64	6	0	4	0
BROWNSVILLE	96	77	97	74	87	2	0	- .3	0	.2	5	14.4	130	89	41	7	0	0	0
CORPUS CHRISTI	95	75	97	72	85	-1	T	- .5	T	.8	16	14.6	101	92	44	6	0	0	0
DEL RIO	101	76	105	74	88	1	0	- .1	0	3.3	106	8.1	87	70	25	7	0	0	0
EL PASO	98	70	101	67	84	2	.2	- .1	.1	1.4	54	2.5	58	73	21	7	0	3	0
FORT WORTH	99	76	103	73	88	2	.1	- .3	.1	7.2	131	29.4	149	71	33	7	0	2	0
GALVESTON	88	79	91	71	83	-1	.7	- .2	.5	5.4	56	17.6	78	84	66	3	0	2	0
HOUSTON	95	74	98	71	85	1	1.5	.5	1.5	6.6	67	20.7	76	92	43	6	0	1	1
LUBBOCK	94	69	96	67	82	1	.1	- .3	.1	7.2	126	15.2	132	72	34	7	0	1	0
MIDLAND	97	69	100	67	83	0	.4	.1	.4	4.9	129	9.7	120	73	25	7	0	3	0
SAN ANGELO	99	72	100	68	86	0	.2	0	.2	6.6	189	14.6	146	73	26	7	0	1	0
SAN ANTONIO	99	75	100	69	87	1	.2	- .2	.2	1.7	33	12.0	80	78	26	7	0	1	0
VICTORIA	98	76	99	72	87	2	T	- .6	T	.2	3	16.2	86	88	36	7	0	0	0
WACO	102	78	105	75	90	3	.1	- .2	.1	6.7	143	21.8	116	76	30	7	0	1	0
WICHITA FALLS	99	71	104	70	85	-2	T	- .3	T	8.8	142	29.7	179	87	37	7	0	1	0
UT BLANDING	87	56	94	53	72	-1	.1	- .3	.1	1.9	68	6.5	93	69	31	4	0	2	0
CEDAR CITY	89	61	95	55	75	2	0	- .3	0	1.8	106	8.5	152	50	18	3	0	0	0
SALT LAKE CITY	93	65	99	58	79	2	T	- .2	T	3.3	143	10.8	115	50	16	6	0	0	0
VT BURLINGTON	79	57	85	54	68	-2	.1	- .7	.1	8.2	99	19.2	103	89	44	0	0	2	0
VA NORFOLK	86	71	91	67	78	0	.1	- 1.4	.1	10.4	92	27.1	103	93	56	2	0	1	0
RICHMOND	88	70	90	66	79	1	.4	- .9	.4	15.1	135	30.7	119	97	59	2	0	2	0
ROANOKE	87	65	90	58	76	1	3.8	2.9	2.5	13.1	158	30.6	134	95	50	2	0	3	2
WA COLVILLE	84	54	95	47	69	0	0	- .2	0	3.1	124	11.4	123	75	34	2	0	0	0
QUILLAYUTE	70	49	82	43	60	1	.3	- .2	.3	4.3	65	64.6	120	96	54	0	0	2	0
SEATTLE-TACOMA	75	55	86	51	65	0	T	- .2	T	1.6	67	21.0	108	83	43	0	0	0	0
SPOKANE	84	56	95	53	70	0	0	- .1	0	2.0	100	9.2	95	69	25	2	0	0	0
YAKIMA	83	50	97	43	67	-4	0	0	0	1.8	200	4.9	111	80	27	2	0	0	0
WV BECKLEY	78	61	82	55	70	0	.3	- .6	.2	13.3	139	29.5	110	97	63	0	0	2	0
CHARLESTON	85	66	88	60	75	0	.1	- .9	T	11.0	112	29.0	112	100	63	0	0	2	0
HUNTINGTON	84	65	88	59	75	0	1.2	.4	.6	10.7	122	28.5	114	100	61	0	0	3	2
PARKERSBURG	86	69	90	63	77	3	.6	- .3	.6	8.4	82	23.2	83	92	55	1	0	2	1
WI GREEN BAY	79	60	92	56	70	0	.5	- .1	.5	8.2	114	17.0	108	99	71	1	0	2	0
LA CROSSE	87	69	98	64	78	5	.7	- .2	.3	3.9	42	12.5	68	100	62	2	0	4	0
MADISON	83	65	94	62	74	3	.9	.2	.5	7.7	86	19.0	104	95	65	1	0	3	1
MILWAUKEE	79	65	93	63	72	1	1.9	1.3	1.4	8.8	111	22.4	126	96	71	1	0	4	1
WAUSAU	83	63	93	59	73	4	.3	- .6	.3	11.7	123	22.4	119	95	56	1	0	1	0
WY CASPER	92	58	96	54	75	3	T	- .1	T	6.1	226	10.8	142	69	18	6	0	1	0
CHEYENNE	83	57	88	54	70	0	.1	- .3	T	7.2	157	11.9	119	79	33	0	0	2	0
LANDER	92	61	97	57	76	5	T	- .1	T	2.8	108	6.3	67	48	18	5	0	1	0
SHERIDAN	95	57	100	49	76	4	T	- .1	T	4.8	112	9.5	89	62	19	6	0	1	0
PR SAN JUAN	91	78	92	76	84	3	.1	- 1.5	.1	7.7	55	29.2	94	88	62	7	0	2	0

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

July Weather Summary

HIGHLIGHTS: Showers and thundershowers covered nearly all of the United States. Much of the normally dry Southwest and central Plateau area had well above normal precipitation. Most areas east of the Rockies had ample rain, but parts of the northern Plains had less than normal, and southern Texas was very dry. The spotty nature of showers left some areas from the upper Mississippi Delta through the Ohio Valley short of soil moisture. Severe weather damaged some crops in southeastern Iowa and adjacent parts of Illinois, in the Texas Panhandle, and in the Southeast. Temperatures were generally mild over most of the Corn Belt, but the western side of the Belt suffered a few days of temperatures in the midnineties.

The month began with a cold high-pressure system centered over the Great Lakes region. Unseasonably cool weather covered much of the East, and some record low temperatures were recorded in the Lakes region and in the central Appalachians. During the first 3 days--Thursday to Saturday--precipitation was heavy at times on the back side of the high pressure, beginning in eastern Nebraska and moving through the Ohio Valley. Open weather occurred in the southern Plains.

FIRST WEEK...Showers and thunderstorms were widespread over eastern United States, although some areas remained dry. The Northeast from Pennsylvania through New England had little or no rain, and much of central and eastern Texas remained dry. A few showers fell in the eastern portion of the Plateau from Arizona to Idaho and into south-central Montana. There were some heavy thundershowers in parts of the central Plains. Unusually warm weather in the central and northern Plains spurred crop development which was behind normal.

SECOND WEEK...Typical July weather of showers and thunderstorms was scattered over all of the East, the Rocky Mountains, and the Pacific Northwest. Heavy showers in the South and parts of the Southeast helped some areas where soils were dry, but severe weather caused some local damage. Heavy rain from southern and eastern Iowa into Wisconsin fell on ground that was already wet and resulted in local flooding. Moderate temperatures occurred early in the week but reached to the middle and high nineties through the Plains late in the week.

THIRD WEEK...Moderate temperatures and light to moderate rain over most of the Corn Belt benefited crops. However, heavier rain in southeastern Iowa and adjacent sections of Illinois was too much for the already wet area. Showers in Ohio were spotty and left some areas short of readily available moisture. Warm weather through the Plains reached into the spring wheat areas and spurred crop development. Warm, dry weather occurred in the central and southern Plains.

FOURTH WEEK...The Corn Belt again enjoyed moderate temperatures and occasional light rain. However, the spotty nature of the showers left some eastern areas short of topsoil moisture. Showers and thunderstorms were moderate to severe over most of the South and East. Much of this area had been too dry and, therefore, welcomed the rain, but severe weather caused some local flooding and property damage. Heavy thunderstorms from the Texas Panhandle to southeastern Wyoming supplied welcome moisture to most crops, but hail and heavy downpours damaged some crops in Texas.

CROP DEVELOPMENT

As of August 1, development of corn and soybeans was later than normal in the western Corn Belt but earlier than normal in the eastern Corn Belt. Progress of the cotton crop lagged in Oklahoma and Texas. The crop was considerably ahead of normal in Missouri and Tennessee, and was about on schedule in other States. Only a few areas of the Nation, notably parts of the eastern Corn Belt and northern Plains, indicated any weather related stress to crops. Warmer temperatures in the Corn Belt during July favored corn silking and soybean bloom, although a few areas in the western region continued too wet. Heavy rains early in July interrupted winter wheat harvest, but the hot, dry weather which followed allowed rapid harvesting in the central Plains and good development of spring wheat farther north. During July, eastern areas of the Nation received timely rains which maintained good crop growing conditions.

At the beginning of August, corn was in good to excellent condition in most parts of the Corn Belt and the Southeast, and fair to good condition in other regions. Nearly three-quarters of the Nation's corn acreage had reached the silking stage, and 20% had progressed to the dough stage. In the South, most fields were in the dent stage, and many were mature. Harvesting was underway in the extreme South, reaching 10% completion in Georgia, 5% in South Carolina, and 24% in Louisiana.

Soybeans were in mostly good condition at the beginning of August. Plants were blooming on 63% of the acreage and setting pods on 27%. Like corn, soybeans developed slower than normal in the western Corn Belt but were ahead of average in the eastern Corn Belt.

Cotton was generally in fair to good condition. As August began, cotton was squaring on 86% of the acreage and setting bolls on 48%. Development of the Oklahoma and Texas crop was considerably later than a year ago because of late planting, a wet spring, and hail damage. Boll set was 25 percentage points behind 1981 in Oklahoma and 44 points behind 1981 in Texas. However, boll set was 31 percentage points ahead of a year ago in Missouri and 22 points ahead in Tennessee. Harvesting was underway in Texas from the Lower Valley through the Coastal Bend area.

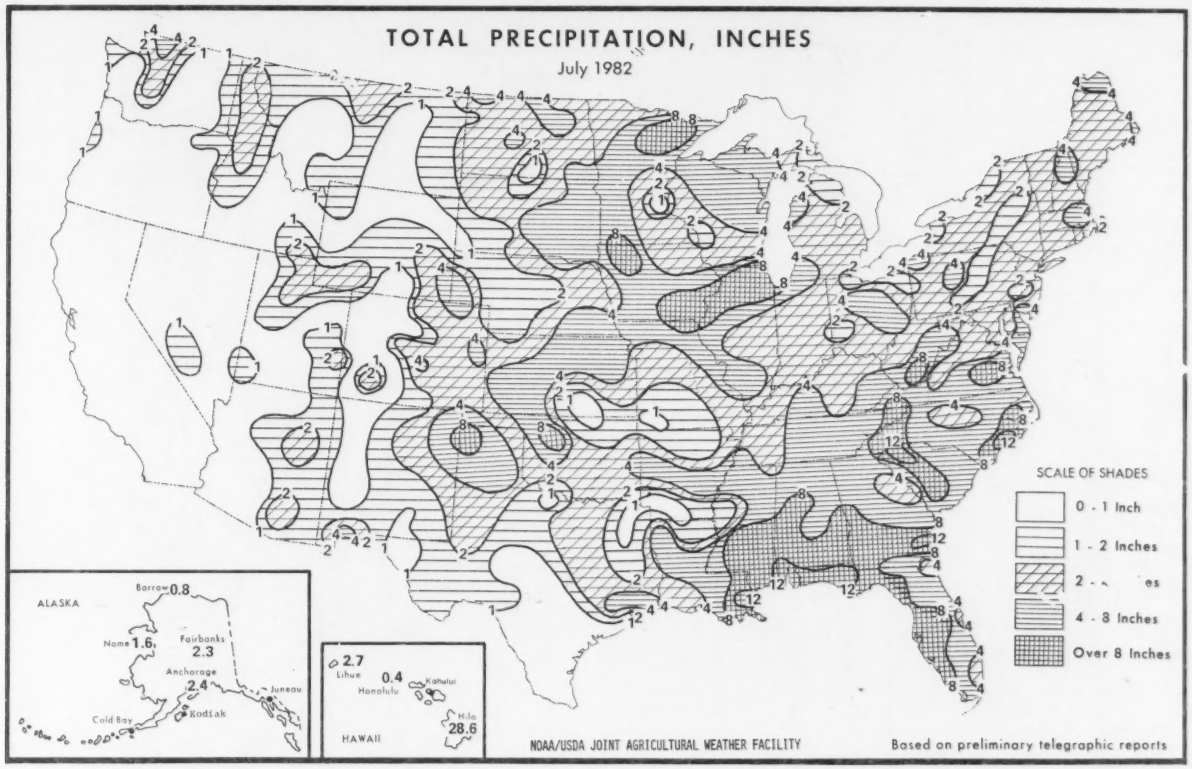
Grain sorghum was in fair to good condition. Heading reached 35% completion by the beginning of August. Harvesting in Texas was 46% finished--about on schedule.

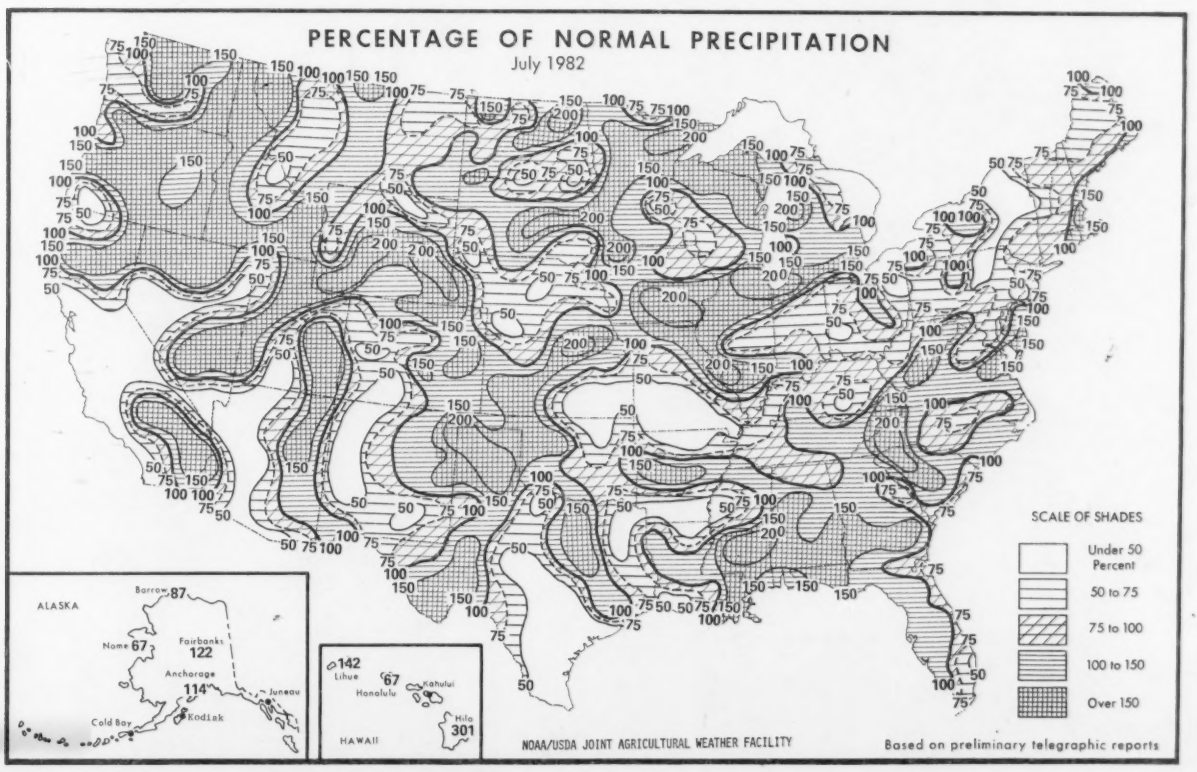
Winter wheat combining was 84% complete by August 1. After getting a late start and progressing slowly because of wet conditons, producers were able to make rapid progress during much of July. However, harvesting was still behind normal in northern areas, by as much as 44 percentage points in South Dakota and 24 points in Montana. Combining was finished in Indiana, Kansas, and Texas. Spring wheat had headed on 98% of the acreage by August 1. Harvesting was underway in a few areas, but progress was considerably behind last year and average.

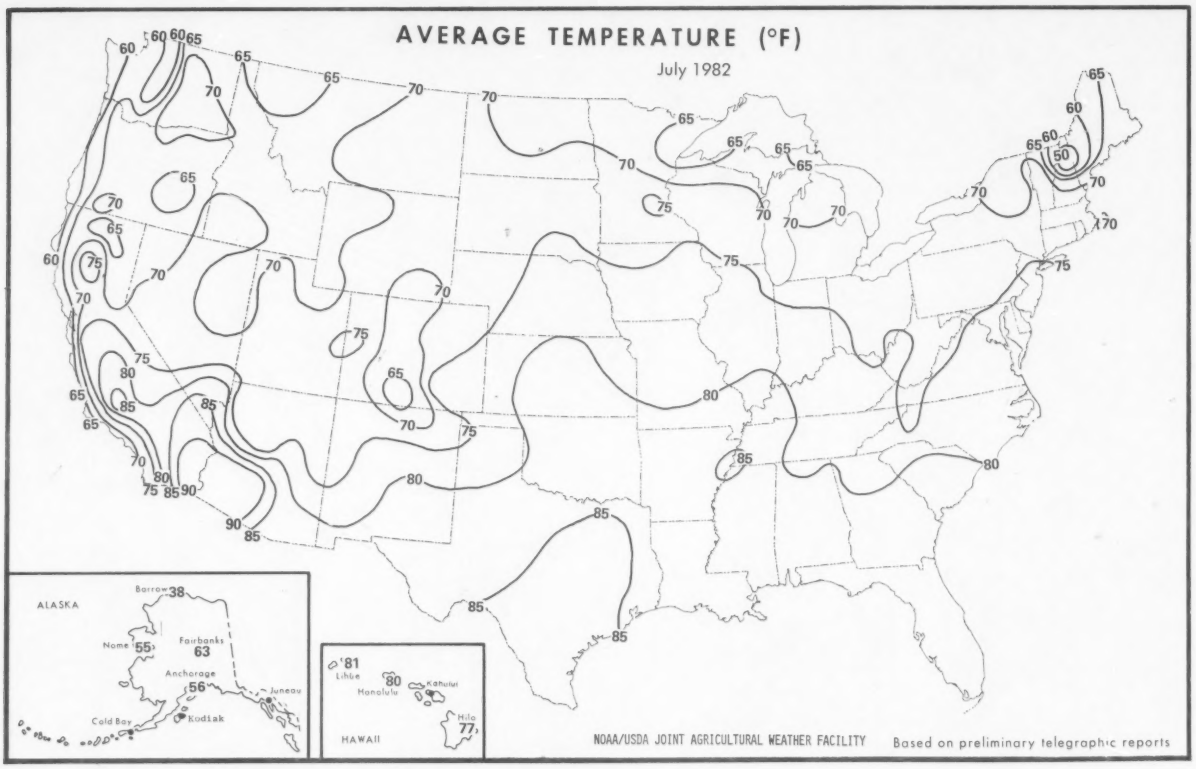
Temperature and Precipitation Data for July 1982

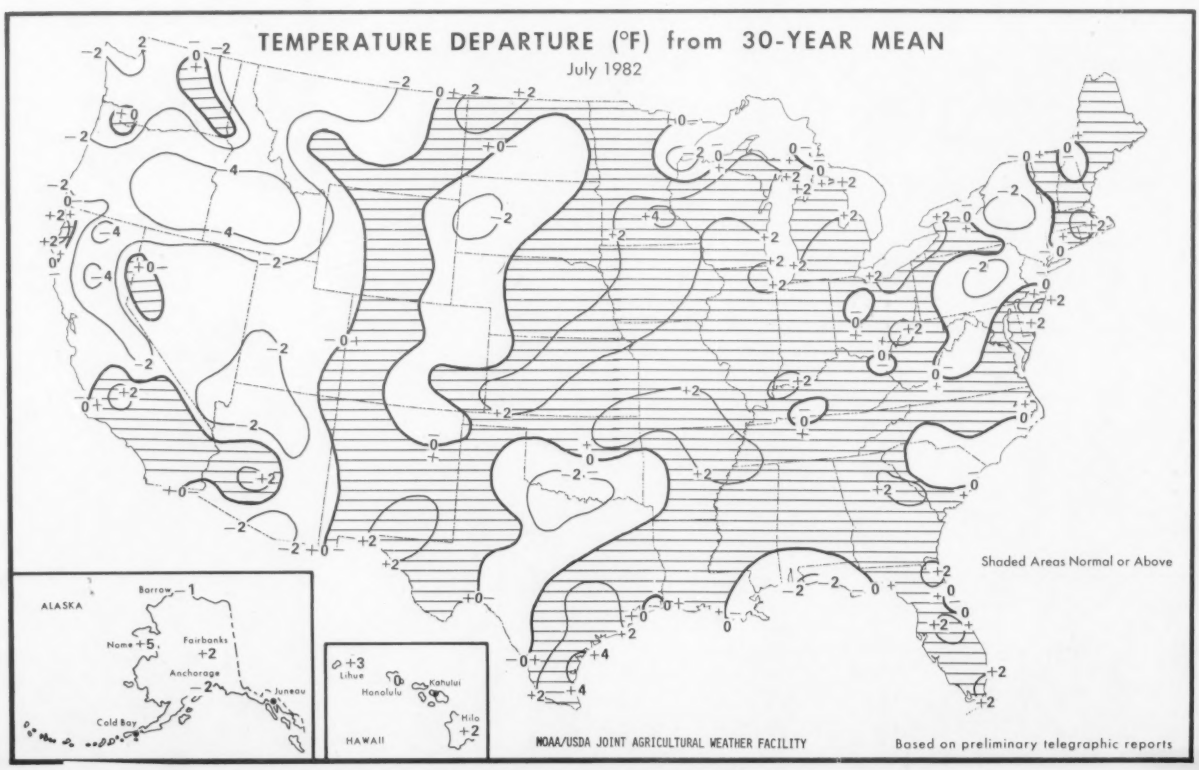
States and Stations	Temperature °F Average	Temperature °F Departure	Precipitation Inches Total	Precipitation Inches Departure
AL BIRMINGHAM	80	0	9.2	4.0
MOBILE	81	- 1	13.1	4.2
MONTGOMERY	82	1	7.2	2.1
AK ANCHORAGE	56	- 2	2.4	.3
BARROW	38	- 1	.8	- .1
FAIRBANKS	63	2	2.3	.4
JUNEAU	--	--	--	--
KODIAK	--	--	--	--
NOME	55	5	1.6	- .8
AZ FLAGSTAFF	64	- 2	1.9	- .6
PHOENIX	94	3	.4	- .4
TUCSON	84	- 2	2.1	- .3
WINSLOW	76	- 2	2.1	.9
YUMA	93	- 1	.2	.0
AR FORT SMITH	81	- 1	4.8	1.6
LITTLE ROCK	82	1	5.4	2.4
CA BAKERSFIELD	87	3	0	.0
EUREKA	58	2	.1	.0
FRESNO	81	0	0	.0
LOS ANGELES	69	0	0	.0
RED BLUFF	78	- 4	.3	.3
SAN DIEGO	72	2	0	.0
SAN FRANCISCO	62	- 1	T	.0
STOCKTON	76	- 1	0	.0
CO DENVER	73	0	.9	- .9
GRAND JUNCTION	79	0	.4	- .1
PUEBLO	77	1	2.7	.8
CT BRIDGEPORT	73	- 1	3.3	- .1
HARTFORD	74	1	2.6	- .8
DC WASHINGTON	80	1	3.0	- 1.1
FL APALACHICOLA	80	- 1	10.8	2.8
DAYTONA BEACH	80	- 1	5.3	- 1.4
FORT MYERS	84	1	11.3	2.4
JACKSONVILLE	83	2	3.8	- 3.6
KEY WEST	86	1	1.9	- 2.2
MIAMI	84	2	3.8	- 3.1
ORLANDO	83	2	11.8	3.5
TALLAHASSEE	81	0	11.8	2.9
TAMPA	82	0	10.5	2.1
WEST PALM BEACH	83	1	2.6	- 3.9
GA ATLANTA	79	1	6.3	1.4
AUGUSTA	83	3	3.6	- 1.5
MACON	82	1	5.8	1.3
SAVANNAH	81	0	6.7	- 1.2
HI HILO	77	2	28.6	19.1
HONOLULU	80	0	.4	- .2
KAHULUI	--	--	--	--
LIHUE	81	3	2.7	.8
ID BOISE	70	- 5	1.6	1.4
LEWISTON	73	0	1.7	1.2
POCATELLO	68	- 4	1.2	.8
IL CAIRO	81	0	2.5	- .7
CHICAGO	74	2	8.3	4.8
MOLINE	75	0	8.8	4.2
PEORIA	76	1	7.5	3.7
ROCKFORD	75	2	8.9	4.6
SPRINGFIELD	77	1	2.5	- 1.3
IN EVANSVILLE	80	2	2.6	- 1.2
FORT WAYNE	74	1	2.5	- 1.4
INDIANAPOLIS	76	1	3.4	- .3
SOUTH BEND	73	1	7.5	3.8
IA BURLINGTON	75	0	11.1	7.3
DES MOINES	77	2	7.0	3.7
DUBUQUE	--	--	--	--
SIOUX CITY	76	1	3.6	.3
KS CONCORDIA	81	3	7.4	4.1
DODGE CITY	81	2	5.5	2.4
GOODLAND	75	- 1	3.3	.6
TOPEKA	79	1	5.1	.9
WICHITA	82	1	.6	- 3.8
KY LEXINGTON	77	1	3.8	- 1.0
LOUISVILLE	78	1	3.7	- .1
LA BATON ROUGE	83	1	5.9	- .6
LAKE CHARLES	82	0	3.0	- 3.6
NEW ORLEANS	81	- 1	13.1	6.4
SHREVEPORT	83	0	4.3	1.4
ME CARIBOU	66	1	4.3	.3
PORTLAND	69	1	2.6	.0
MD BALTIMORE	77	0	2.2	- 1.9
MA BOSTON	75	2	4.2	1.5
CHATHAM	68	- 2	1.6	- 1.1
MI ALPENA	68	2	1.7	- .8
DETROIT	72	0	4.8	1.7
FLINT	71	1	3.1	.1
GRAND RAPIDS	73	1	3.8	.7
HOUGHTON LAKE	69	3	3.3	.2
LANSING	71	0	3.0	.2
MARQUETTE	66	2	4.7	.9
MUSKEGON	72	2	2.4	- .1
SAULT STE. MARIE	63	- 1	1.7	- .9
MN DULUTH	64	- 2	6.2	2.5
INT'L FALLS	67	1	2.4	- 1.6
MINNEAPOLIS	76	4	.9	- 2.8
ROCHESTER	73	3	4.0	.3
SAINT CLOUD	71	1	3.9	.7
MS JACKSON	82	0	9.3	5.0
MERIDIAN	82	1	10.2	5.1
MO COLUMBIA	78	1	3.3	- .1
KANSAS CITY	79	1	2.7	- 1.7
SAINT LOUIS	79	0	7.9	4.2
SPRINGFIELD	80	2	1.0	- 2.6
MT BILLINGS	72	0	.9	.0
GLASGOW	70	- 1	1.0	- .4
GREAT FALLS	67	- 2	.7	- .6
HAVRE	67	- 3	2.1	.7
HELENA	69	1	.5	- .5
KALISPELL	62	- 2	1.6	.6
MILES CITY	75	1	1.5	- .1
MISSOULA	65	- 2	.9	.0
NE GRAND ISLAND	77	1	2.7	- .3
LINCOLN	79	2	4.1	.8
NORFOLK	76	0	2.5	- .7
NORTH PLATTE	75	1	1.8	- 1.2
OMAHA	77	2	2.2	- 1.5
VALENTINE	74	0	3.2	.7
NV ELY	66	- 1	.6	.0
LAS VEGAS	88	- 2	.1	- .3
RENO	70	1	T	- .3
WINNEMUCCA	70	- 1	.9	.7
NH CONCORD	70	0	2.8	- .3
NJ ATLANTIC CITY	77	2	3.6	- .8
TRENTON	--	--	--	--
NM ALBUQUERQUE	79	0	1.3	- .1
ROSWELL	--	--	--	--
NY ALBANY	70	- 2	2.4	- .7
BINGHAMTON	70	1	1.9	- 1.9
BUFFALO	72	2	1.5	- 1.4
NEW YORK	76	- 1	3.0	- .9
ROCHESTER	72	1	3.1	.2
SYRACUSE	70	- 2	3.8	.7
NC ASHEVILLE	75	1	9.9	5.0
CHARLOTTE	78	- 1	4.2	- .4
GREENSBORO	77	0	3.5	- .9
HATTERAS	78	0	6.8	.9
RALEIGH	79	1	3.3	- 1.8
WILMINGTON	79	- 1	8.6	.3
ND BISMARCK	70	- 1	2.2	.0
FARGO	71	0	2.6	- .6
WILLISTON	72	2	1.2	- .8
OH AKRON-CANTON	73	1	2.1	- 1.7
CINCINNATI	77	1	2.4	- 1.7
CLEVELAND	74	3	1.2	- 2.3
COLUMBUS	74	0	3.9	- .3
DAYTON	75	0	1.5	- 2.0
TOLEDO	73	1	2.0	- 1.2
YOUNGSTOWN	71	0	1.7	- 2.2
OK OKLAHOMA CITY	81	- 1	2.1	- .6
TULSA	84	2	1.7	- 1.8
OR ASTORIA	59	- 1	.8	- .2
BURNS	63	- 5	.4	.1
MEDFORD	72	0	.1	- .2
PENDLETON	71	- 3	.5	.2
PORTLAND	68	1	.9	.4
SALEM	66	- 1	.3	- .4
PA ALLENTOWN	73	- 1	2.9	- 1.5
ERIE	71	2	4.4	.9
HARRISBURG	74	- 2	2.9	- .8
PHILADELPHIA	77	0	1.9	- 2.2
PITTSBURGH	72	0	2.4	- 1.4
SCRANTON	71	- 2	3.3	- 1.0
RI PROVIDENCE	74	2	3.5	.6
SC CHARLESTON	81	1	5.4	- 2.8
COLUMBIA	80	- 1	10.0	4.3
GREENVILLE	78	0	12.5	8.3
SD ABERDEEN	--	--	--	--
HURON	75	1	5.1	2.9
RAPID CITY	71	- 2	1.8	- .3
SIOUX FALLS	74	1	4.6	1.7
TN CHATTANOOGA	80	1	4.8	- .3
KNOXVILLE	78	0	6.6	1.9
MEMPHIS	85	3	4.1	.6
NASHVILLE	80	0	5.5	1.7
TX ABILENE	84	0	1.5	- .8
AMARILLO	79	0	6.2	3.2
AUSTIN	87	2	.1	- 1.8
BEAUMONT	82	- 1	5.2	- .7
BROWNSVILLE	87	3	T	- 1.2
CORPUS CHRISTI	89	4	T	- 1.9
DEL RIO	86	- 1	.9	- .1
EL PASO	84	2	1.0	- .5
FORT WORTH	85	0	2.7	.9
GALVESTON	84	1	.2	- 4.2
HOUSTON	85	2	4.3	.2
LUBBOCK	80	0	2.1	- .1
MIDLAND	82	0	3.2	1.4
SAN ANGELO	83	- 2	.4	- .8
SAN ANTONIO	86	1	.1	- 1.6
VICTORIA	86	2	.1	- 2.7
WACO	86	0	2.6	1.1
WICHITA FALLS	82	- 4	.9	- 1.3
UT BLANDING	73	0	1.6	.6
SALT LAKE CITY	76	- 1	2.6	1.9
VT BURLINGTON	70	0	3.1	- .4
VA LYNCHBURG	76	0	5.1	1.0
NORFOLK	79	1	5.8	.1
RICHMOND	79	1	9.2	3.6
ROANOKE	76	1	4.0	.3
WA COLVILLE	66	- 2	.8	.1
OMAK	71	1	.9	.4
QUILLAYUTE	57	- 2	1.5	- .9
SEATTLE-TACOMA	63	- 2	.6	- .1
SPOKANE	68	- 2	1.1	.7
WALLA-WALLA	74	- 2	.8	.5
YAKIMA	69	- 2	.1	- .1
WV BECKLEY	70	0	9.6	5.2
CHARLESTON	76	1	2.7	- 2.3
HUNTINGTON	74	- 1	3.8	- .4
PARKERSBURG	--	--	--	--
WI GREEN BAY	71	2	5.1	2.0
LA CROSSE	75	3	1.8	- 1.7
MADISON	71	1	3.5	- .3
MILWAUKEE	71	1	3.9	.5
WY CASPER	71	0	1.9	.9
CHEYENNE	68	- 1	2.7	.9
LANDER	71	0	1.5	.9
SHERIDAN	70	0	.5	- .6
PR SAN JUAN	83	2	2.3	- 4.1

Based on 1941-70 normals


TOTAL PRECIPITATION, INCHES
July 1982
SCALE OF SHADES
0 - 1 Inch
1 - 2 Inches
2 - 4 Inches
4 - 8 Inches
Over 8 Inches
ALASKA
Barrow 0.8
Nome 1.6
Fairbanks 2.3
Anchorage 2.4
Juneau
Cold Bay
Kodiak
HAWAII
2.7
Lihue
0.4
Honolulu
Kahului
Hilo
28.6
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary telegraphic reports


PERCENTAGE OF NORMAL PRECIPITATION
July 1982
SCALE OF SHADES
Under 50 Percent
50 to 75
75 to 100
100 to 150
Over 150
ALASKA
Barrow 87
Nome 67
Fairbanks 122
Anchorage 114
Juneau
Cold Bay
Kodiak
HAWAII
142
Lihue
67
Honolulu
Kahului
Hilo
301
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary telegraphic reports


AVERAGE TEMPERATURE (°F)
July 1982
ALASKA
Barrow 38
Nome 55
Fairbanks 63
Anchorage 56
Juneau
Cold Bay
Kodiak
HAWAII
'81
Lihue
80
Honolulu
Kahului
Hilo 77
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary telegraphic reports


TEMPERATURE DEPARTURE (°F) from 30-YEAR MEAN
July 1982
Shaded Areas Normal or Above
ALASKA
Barrow +1
Nome +5
Fairbanks +2
Anchorage −2
Juneau
Cold Bay
HAWAII
+3
Lihue
0
Honolulu
Kahului
Hilo +2
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary telegraphic reports

National Agricultural Summary

August 2-8

HIGHLIGHTS: Hot, dry weather helped push crops to maturity and permitted producers to make rapid progress with the spring wheat and remaining winter wheat harvests. However, extremely hot weather in parts of the western Corn Belt was detrimental to corn. Showers helped replenish soil moisture supplies, but more is needed, expecially in the northern Plains and the eastern Corn Belt where supplies were short. In other areas, supplies ranged from short to mostly adequate, except in Alabama where heavy rainfall left soil moisture adequate to surplus. Farmers had 4 to 7 days suitable for fieldwork in all regions of the Nation. Winter wheat harvest reached 88%, 3 points behind average. Combining centered in Northern areas. Spring wheat was 14% harvested, 10 points behind average. Corn was silking on 88% of the acreage and in the dough stage on 34%. In the South, most corn was dented and many fields were mature. Harvesting gained momentum in extreme southern areas. Soybeans bloomed on 76% of the acreage and were setting pods on 43%. Development of both corn and soybeans was ahead of average in the eastern Corn Belt but behind normal in the western region. Cotton was squaring on 93% of the acreage and setting bolls on 63%. Scattered rainfall benefited pastures, but more moisture is needed to sustain growth.

SMALL GRAINS: The winter wheat harvest in the 15 major producing States reached 88% behind last year's 89% and the average of 91%. Combining was finished in all but the Northern States. The Montana harvest was only 5% complete, well behind last year's 35% and the average of 50%. Rapid progress was made in South Dakota and the Pacific Northwest. In the Corn Belt, producers plowed fields for fall seeding of winter wheat. Plowing in Indiana was 8% finished.

Harvesting of spring wheat gained momentum and was active in all major producing States except Montana. Progress of harvest was behind average in all of the States except Idaho. In the 5 major producing States, 14% of the acreage was harvested, behind last year's 19% and the average of 24%.

CORN: Corn was in good to excellent condition in parts of the Corn Belt and Southeast and fair to good in other regions. In the 17 major producing States, corn was silking on 88% of the acreage and in the dough stage on 34% of the acreage. Last year, 90% was silking and 33% was in the dough stage. In the eastern Corn Belt, 95% was silking and 54% was in the dough stage, 5 and 11 percentage points, resepctively, ahead of average. In the western region, development lagged. Only 82% was silking, and 12% was in the dough stage, 12 and 18 points, respectively, behind average. Development was particularly behind average in Iowa, Minnesota, and Nebraska. Most of the corn in the South had dented, and much was mature. Harvesting gained momentum, reaching 19% in Georgia.

SOYBEANS: Soybeans continued in mostly good condition. Rains improved crop conditions in most areas, but in parts of the eastern Corn Belt, more is needed for good development. In the 18 major producing States, 76% of the crop was blooming and 43% was setting pods, compared with 74% blooming and 42% setting pods a year ago. Development of soybeans, like corn, was behind average in the western Corn Belt but ahead of average in the eastern region. In the South, progress was about normal.

SORGHUM: Sorghum was in fair to good condition. In the 7 major producing States, 42% of the sorghum had headed, lagging last year's 62% and the average of 61%. Sorghum matured rapidly in Texas under the hot, dry weather. Late-planted stands on the High Plains showed stress from dryness. Harvesting centered in Texas where 51% of the acreage had been combined.

COTTON: Cotton was in fair to mostly good condition. In the 14 major producing States, 93% of the cotton was squaring, and 63% was setting bolls. A year ago, 99% of the acreage had squared, and 88% was setting bolls. Development in Texas continued to lag; only 44% of the crop was setting bolls, 37 points behind average. In the Southeast, bolls began to open. Two percent of the Texas crop has been harvested. Most stands on the High Plains were 3 weeks to a month behind in development. Defoliation was underway in the Blacklands.

OTHER CROPS: The major activity in tobacco areas was topping and harvesting of the crop. The Georgia and South Carolina crops were 84% and 73% harvested, respectively. In North Carolina, flue-cured tobacco was 49% harvested while in Virginia, 21% had been harvested. The fire-cured crop in Virginia was 17% harvested but burley harvest was just starting. Harvesting in Tennessee was getting underway.

In the 5 major producing States rice was headed on 51% of the acreage, compared with the average of 57%. Harvesting in Texas was 51% finished. Scattered showers interrupted activities along the coast.

VEGETABLES: Summer vegetable harvests continued heavy in Northern areas. Preparing land and planting fall crops was more widespread in this area. Florida growers were planting and transplanting tomatoes and peppers. Sweet corn seeding was underway in parts of the State. Harvesting continued very active in California.

FRUITS AND NUTS: Apple and peach harvests moved northward. Early apple harvests increased, and peaches continued in heavy volume. Peach picking in Georgia and South Carolina was virtually finished. Harvest of apples in Georgia was 35% complete. The tart cherry harvest in Michigan was nearly finished. Near perfect growing conditions prevailed in Florida's citrus groves. As mositure was adequate, very little irrigation was needed. Testing of new crop fruit started in the field. California producers harvested avocados, apples, grapes, nectarines, Cling and Freestone peaches, pears, plums, grapefruit, and Valencia oranges.

National Weather Summary (continued from front page)

from Alabama and Georgia through Florida. Thunderstorms were also scaftered from Arizonia and New Mexico over the High Plains to North Dakota. Temperatures rose to the century mark in Texas and parts of Oklahoma and from the Southwest into Oregon.

SATURDAY . . .Thunderstorms covered the area from western Texas across the South and most of the Eastern States. Severe weather produced some hail and heavy downpours in eastern Texas and western Arkansas and along a line form south-central Oklahoma to southern Lake Michigan. Thunderstorms were scattered over the High Plains from New Mexico to western Nebraska and across the Plateau to central California. High temperatures exceeded 100° from southwestern Texas to southern California and northward into Washington.

CROP PROGRESS

FOR WEEK ENDING AUG 8

SOYBEANS
% BLOOMING

	1982	1981	AVG.
ALA	70	71	66
ARK	45	42	48
GA	74	75	NA
ILL	89	83	88
IND	97	70	90
IOWA	80	94	98
KANS	35	60	95
KY	70	50	61
LA	74	76	75
MICH	95	75	83
MINN	93	94	96
MISS	80	84	77
MO	59	56	68
NEBR	65	90	NA
N C	42	61	49
OHIO	95	75	85
S C	55	60	61
TENN	74	63	76
18 STATES	76	74	NA
EXCL. STATES WITH NA	76	74	80

SOYBEANS
% SETTING PODS

	1982	1981	AVG.
ALA	40	41	39
ARK	20	27	24
GA	38	42	NA
ILL	62	50	60
IND	60	20	50
IOWA	50	74	74
KANS	15	25	40
KY	29	12	19
LA	47	53	44
MICH	45	35	38
MINN	40	49	63
MISS	38	40	41
MO	32	30	36
NEBR	20	60	70
N C	11	30	NA
OHIO	85	40	60
S C	18	17	20
TENN	22	25	29
18 STATES	43	42	NA
EXCL. STATES WITH NA	44	42	50

THESE 18 STATES PRODUCED 95% OF THE 1981 SOYBEAN CROP.

NA - NOT AVAILABLE

CORN
% SILKING

	1982	1981	AVG.
COLO	61	67	65
GA	100	100	100
ILL	100	97	96
IND	100	70	90
IOWA	85	100	99
KANS	85	85	90
KY	95	85	85
MICH	90	90	88
MINN	89	94	92
MO	89	87	79
NEBR	75	95	96
N C	98	100	100
OHIO	99	75	90
PA	82	80	73
S DAK	59	73	80
VA	88	92	NA
WIS	74	80	73
17 STATES	88	90	NA
EXCL. STATES WITH NA	88	90	91

CORN
% DOUGH

	1982	1981	AVG.
COLO	7	8	9
GA	98	99	NA
ILL	70	57	60
IND	65	25	50
IOWA	13	33	34
KANS	35	40	45
KY	40	33	36
MICH	20	20	21
MINN	3	4	18
MO	57	54	51
NEBR	10	30	35
N C	84	88	80
OHIO	60	15	30
PA	22	20	16
S DAK	0	9	9
VA	64	65	NA
WIS	14	25	16
17 STATES	34	33	NA
EXCL. STATES WITH NA	32	31	36

THESE 17 STATES PRODUCED 93% OF THE 1981 CORN CROP.

NA - NOT AVAILABLE

COTTON
% SQUARING

	1982	1981	AVG.
ALA	100	100	100
ARIZ	99	99	99
ARK	100	100	100
CALIF	98	100	99
GA	100	100	100
LA	100	100	100
MISS	100	100	100
MO	100	100	100
N MEX	99	100	NA
N C	99	99	97
OKLA	60	100	90
S C	100	100	100
TENN	100	100	100
TEX	90	98	99
14 STATES	93	99	NA
EXCL. STATES WITH NA	93	99	99

COTTON
% SETTING BOLLS

	1982	1981	AVG.
ALA	96	96	85
ARIZ	97	99	98
ARK	99	100	96
CALIF	80	90	78
GA	96	98	98
LA	97	97	96
MISS	96	94	90
MO	99	86	79
N MEX	60	90	70
N C	85	87	84
OKLA	10	65	50
S C	99	100	96
TENN	100	100	85
TEX	44	84	81
14 STATES	63	88	83

THESE 14 STATES PRODUCED 99% OF THE 1981 COTTON CROP.
NA - NOT AVAILABLE

RICE
% HEADED

	1982	1981	AVG.
ARK	38	47	41
CALIF	12	20	31
LA	73	86	81
MISS	54	54	52
TEX	100	100	100
5 STATES	51	58	57

THESE 5 STATES PRODUCED 98% OF THE 1981 RICE CROP.

WINTER WHEAT
% HARVESTED

	1982	1981	AVG.
CALIF	98	100	100
COLO	87	92	95
IDAHO	15	20	22
ILL	100	100	100
IND	100	100	100
KANS	100	100	100
MO	99	84	100
MONT	5	35	50
NEBR	99	100	100
OHIO	100	100	100
OKLA	100	100	100
OREG	65	62	67
S DAK	81	92	93
TEX	100	100	100
WASH	55	37	47
15 STATES	88	89	91

THESE 15 STATES PRODUCED 88% OF THE 1981 WINTER WHEAT CROP.

SPRING WHEAT
% HARVESTED

	1982	1981	AVG.
IDAHO	10	17	8
MINN	13	16	27
MONT	0	10	15
N D	10	11	14
S DAK	44	60	64
5 STATES	14	19	24

THESE 5 STATES PRODUCED 92% OF THE 1981 SPRING WHEAT CROP.

SORGHUM
% HEADED

	1982	1981	AVG.
COLO	25	23	19
KANS	10	35	35
MO	64	55	62
NEBR	20	80	75
OKLA	35	75	60
S DAK	24	48	45
TEX	82	84	83
7 STATES	42	62	61

THESE 7 STATES PRODUCED 92% OF THE 1981 SORGHUM CROP.

State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by SRS State Offices in cooperation with the National Weather Service.

ALABAMA: Temperatures near or below normal. Most stations reported some rainfall.

Soil moisture adequate to surplus. Fieldwork: 4.6 days. Corn: Dented 91%, 93% 1981, 78% average; mature 48%, 68% 1981, 48% average; harvested 9%, 26% 1981. Soybeans: Blooming 70%, 71% 1981, 66% average; setting pods 40%, 41% 1981, 39% average. Cotton setting bolls 96%, 96% 1981, 85% average. Conditions: Corn, soybeans, cotton, peanuts, sorghum, pastures, and livestock good.

ALASKA: Weather pattern for the most part was dry with pleasant temperatures. Temperatures ran near normal in most areas. Seasonal rainfall totals are above normal in most areas except for deficits at Clearwater, Kenai, Homer, and Kenney Lake.

Matanuska Valley growers welcomed needed clear sunny skies to catch up on haymaking while Tanana Valley reported cooler than normal temperatures for crop development. A range of 4 to 7 days was suitable for haying. Second crop brome was 12 to 17 in. in the Tanana Valley, 15 to 20 in. in the Matanuska Valley. Small grain maturity was still behind normal with nearly 70% headed out and very small amounts turning color in the Tanana Valley area. Very light wind or rain damage was reported. Potatoes continued to make good development. Topsoil moisture was short in a couple of areas but mostly adequate elsewhere. Subsoil was adequate.

ARIZONA: Normal weather prevailed with hot, humid conditions and scattered afternoon and evening thunderstorms. Precipitation was mostly confined

to eastern two-thirds of State with amounts mostly between 0.10 and 0.75 in. except locally over 1.50 in. in White Mountains. Average temperatures 2° below normal to 4° above.

Boll setting in 97% of cotton acreage, behind last year's 99% and average of 98%. Bolls have started to open in central and western areas. Plant growth resuming as bottom crop matures on main crop. Late planted cotton making good progress and squaring at accelerating rate. Insecticide applications increasing as count of damaging insects exceeded number of beneficial insects. Early planted sorghum heading, central and western areas. Corn for grain in southeastern area developing well. Guar continued to make seasonal progress. Alfalfa hay harvest satisfactory under favorable conditions, Yuma area. Moderate rain damage reported to cut hay, other areas. Summer cantaloup season and grape harvest completed. Summer harvest of honeydew melons approaching completion. Planting of fall cantaloups, honeydews in progress. Watermelon harvest approaching completion. Green onion bunching seasonally active. Lettuce planting active in Cochise County area. Ring-picking of new crop lemons began, Yuma area. The 1982-83 tree crop set exceptional. Citrus groves in excellent condition. Southwestern, northwestern Desert range areas remained poor to very poor condition. Ranges remainder of State in mostly fair condition. Northern areas received rain showers which brought relief to ranges, water tanks. Spotty rains in southeastern areas, ranges still dry. Livestock continued in fair to good shape. Water remained short to adequate.

ARKANSAS: Scattered showers. Near normal temperatures. Highest temperature 101°, lowest 64°. All departures from normal -3 to +3. Most rainfall 1.88 in., least zero.

Six days available for fieldwork. Soil moisture adequate south and west, short elsewhere. Crop growth moderate. Soybeans fair to good. Blooming 45%, 42% 1981, 48% average; podding 20%, 27% 1981, 24% average. Rice good condition. Headed 38%, 47% 1981, average 41%. Cotton fields virtually all setting bolls, same as last year, slightly ahead of normal. Condition good. Irrigation heavy. Boll weevil nearing treatment level. Corn and sorghum good. Pastures fair. Cattle good condition.

CALIFORNIA: The Sacramento Valley was 3° below normal and the San Joaquin was 2° below normal. The Sierra Nevada was also 2° below normal. Only the south coast was above normal. Precipitation was restricted to coastal drizzle and a few showers on the southern Deserts.

Near normal temperatures improving crop development. Rice showing good progress, 12% headed, 20% last year, 31% average. Cotton in good shape with 98% of acreage squared compared to 100 last year, 99 average. Fields with bolls; 80%, 90% last year and 78 average. Cultural practices continue. Winter wheat harvest, 98% complete, 100% last year, 100% average. Field corn, grain sorghum and dry beans showing good growth. Safflower crop normal. Alfalfa haying remains active. Apple harvest continues Sebastopol, Watsonville areas; below average size, color. Hass avocado harvest slow; good quality. Flame Seedless, Cardinal, Thompson Seedless grape harvest active San Joaquin Valley. High acid, low sugar problem. Insect, mildew control continues. Fantasia, Late Le Grand, Red Grand, Flavortop nectarines moving, good quality. Cling peach harvest active; below average quality. Split pits, translucence, brown rot problems. Freestone peach varieties harvested - Fay Elberta, Fayette, Angelus. Average quality, good prices, excellent demand. Sacramento River, Lake-Mendocino pear harvest continuing, good size and quality. Good quality Friar plum harvest active. Ruby, White other area grapefruit harvest continues, good condition. Poor to fair quality lemons picked. Valencia orange harvest continues Southern California - good quality. Almond hulls splitting, spraying for Navel orange worm active. Broccoli, cauliflower in moderate supply Central Coast. Celery supply good, Salinas-Watsonville area. Cantaloup, honeydew, watermelon, miscellaneous melon harvests active Westside, San Joaquin Valley areas. Getting underway northern Sacramento Valley. Melons sizing well, quality good. Carrot supply good, Salinas and southern San Joaquin Valleys. Sweet corn, cucumbers, beans, bell peppers, garlic and miscellaneous crops, harvests continue on Central Coast and other San Joaquin Valley producing areas. Dry onion harvest near conclusion, Riverside area. Lettuce moderate supply from Salinas-Watsonville area, quality good. Field preparation planting continues San Joaquin Valley, emerged fields doing well, Tulelake-Butte Valley area. Market tomato, volume good, San Joaquin Valley and South Coast. Processing tomato harvest active, Sacramento and San Joaquin Valleys. Volume to date remains below last year. Summer ranges continue provide good feed. Supplemental feeding increasing lower elevation areas. Stock water declining foothill grazing districts.

COLORADO: Afternoon and evening showers were common with the heaviest amounts along and near the eastern foothills. Some of the rainfalls were accompanied by small hail and local flooding. Temperatures were mostly 1 to 3° above normal.

Scattered showers improved crop prospects, but slowed winter wheat harvest. Winter wheat 100% turning color, 96% ripe, and 87% harvested. In 1981, 98% turning color, 97% ripe, and 92% harvested. Barley 78% turning color, 53% ripe, and 36% harvested. Last year 79% turning color, 60% ripe, and 47% harvested. Dry beans, 69% flowered, last year 66%. Corn progressing normally, 61% silked, 7% in dough stage. Last year, 67% silked, and 8% in dough. Sorghum 25% headed compared with 23% last year. Second cutting alfalfa 52% and third cutting 3% complete. In 1981, second cutting 56% and third cutting 1% complete. Moisture short to adequate. Six days suitable for fieldwork. Livestock in good condition.

FLORIDA: Partly cloudy with near normal temperatures. Widely scattered thundershowers with rainfall amounts of less than 1.00 in. in the Panhandle and generally between 1.00 to 2.00 in. over the Peninsula.

Soil moisture generally adequate. A few wet areas remain, mostly low poorly drained areas. Corn harvest increasing, yields good. Tobacco harvest complete, marketing active. Haymaking slow, wet conditions creating problems. Peanuts good condition, heavy vine growth causing an increase in diseases. Soybeans good to excellent condition. Cotton good condition. Sugarcane making rapid growth. Pasture condition ranged from poor to excellent with good to excellent prevalent. Perennial grasses declining due to maturity and/or water damage. Cattle condition mostly good with a few in excellent shape. Near perfect growing conditions for citrus last week, moisture adequate, very little irrigation except for a few crops destined for the early fresh market. Fruit sizes very good to excellent. Testing of new crop fruit started in the field. Land preparation for fall vegetables very active. Laying plastic. Planting cabbage seedbeds underway. Planting, transplanting tomatoes, peppers gaining. Seeding sweet corn in Everglades.

GEORGIA: Rainfall Statewide, mainly 31st and 5th. Amounts quite variable and locally heavy. Heaviest northeast to west central, averaging near 1.50 in. Statewide average 0.75 to 1.00 in. Tem-

peratures 1 to 2° below normal. Wet 7th and 8th with temperatures slightly below normal. Few spots missed showers. Average rainfall near 0.50 in., but again locally heavy.

Soil moisture 12% short, 75% adequate, 13% surplus. Five days suitable for fieldwork. Main activities: Controls for insects, diseases and weeds, and haying. Corn 21% fair, 68% good, 11% excellent, dough stage 98%, last year 99%, dent stage 91%, last year 95%, mature 74%, last year 86%, harvested 19%, last year 33%, average 20%. Cotton 31% fair, 61% good, 8% excellent, 96% setting bolls, last year and average 98%, 5% bolls open, last year 13%, average 7%. Peanuts 16% fair, 71% good, 11% excellent, virtually all acreage blooming and pegging like last year and average. Insects and fungus diseases active, controls likewise. Soybeans 18% fair, 73% good, 8% excellent, 74% blooming, last year 75%, 38% setting pods, last year 42%. Tobacco 24% fair, 70% good, 6% excellent, 84% harvested, last year 69%, average 67%, marketing active. Watermelons 9% poor, 20% fair, 64% good, harvest 94% complete, last year 92%, average 91%, some being left in field. Apples 8% very poor, 10% poor, 45% fair, and 34% good, 35% picked, last year 28%, average 24%. Peaches 99% picked, last year 91%, average 95%. Pecans 38% fair, 54% good, much spraying. Hay crops 20% fair, 65% good, 8% excellent, cutting active between rains. Pastures 12% fair, 79% good, 9% excellent. Cattle and hogs good.

HAWAII: Weather favorable. Showers light, falling mainly in windward areas and at higher elevations. Irrigation continues in most of the major crop areas. Spraying frequent to control insects and diseases. Vegetables: Supplies adequate. Some leafy crops affected by diseases. Bananas: Supplies light. However, production some orchards increasing seasonally. Papayas: Steady harvesting expected. Condition fair to good. Pineapples: Seasonally active. Sugar: Steady harvesting. Pastures: Generally fair to good. Rains beneficial.

IDAHO: Temperatures averaged 2 to 5° below normal at most stations. Only Salmon reported above normal temperatures. Precipitation was confined mainly to north with as much as 0.33 in. at Grangeville. A series of weak weather disturbances moved in shore from the Pacific into Oregon and then northeast to north Idaho and Canada. The pattern also resulted in cool temperatures as nearly all stations reported lows in the 40's.

Small grain harvest underway in most areas. Winter wheat 15% harvested, 20% last year, 22% average. Spring wheat 10% harvested, 17% in 1981, 5% average. Barley also 10% harvested. Potatoes closed middles on 95% of crop. Second cutting alfalfa hay at 40%, 60% last year, 50% average. Noxious weeds a problem for livestock on open ranges.

ILLINOIS: Temperatures 3 to 6° above normal. Precipitation moderate to heavy, 0.50 to 4.50 in. Most locations reporting 1.25 to 2.50 in.

Winter wheat 100% combined, 100% 1981, 100% average. Corn 47% excellent, 51% good, 2% fair. Corn 100% silked, 97% 1981, 96% average; 70% dough, 57% 1981, 60% average; 24% dented, 18% 1981, 20% average. Soybeans 24% excellent, 67% good, 9% fair. Soybeans 89% blooming, 83% 1981, 88% average; 62% setting pods, 50% 1981, 60% average. Alfalfa 24% excellent, 70% good, 6% fair; 17% third crop cut, 29% 1981, 28% average. Oats 90% combined, 95% 1981, 91% average. Pastures 25% excellent, 60% good, 15% fair. Soil moisture 38% short, 57% adequate, 5% surplus. Additional rainfall since 6th has improved soil moisture. Days suitable for fieldwork: 6.

INDIANA: Fieldwork averaged 6 days. Topsoil and subsoil moisture short to mostly adequate. Wheat 100% combined, 1981 100%, average 100%. Corn 100% silked, 1981 70%, average 90%. Corn 65% in dough, 1981 25%, average 50%. Corn 15% dented, 1981 2%, average 8%. Corn condition mostly good to excellent. Soybeans 97% in bloom, 1981 70%, average 90%. Soybeans 60% setting pods, 1981 20%, average 50%. Soybean condition good. Oats 98% combined, 1981 98%, average 98%. Alfalfa 90% cut twice, 1981 80%, average 90%. Intended wheat land 8% plowed, 1981 13%, average 13%.

IOWA: A hot humid week. Temperatures averaged about 4° above normal. Precipitation falling mostly the 4th, 5th was locally heavy. A few locally heavy showers northern border counties.

Topsoil moisture: 16% surplus, 73% adequate, 11% short. Subsoil moisture: 8% surplus, 91% adequate, 1% short. Corn tasseled: 95%, last year 100%, normal 100%. Corn silked: 85%, last year 100%, normal 99%. Corn in or past milk stage: 40%, last year 75%, normal 73%. Corn in or past dough stage: 13%, last year 33%, normal 34%. Soybeans blooming: 80%, last year 94%, normal 98%. Soybeans setting pods: 50%, last year 74%, normal 74%. Oats harvested: 95%, last year 99%, normal 97%. Second crop alfalfa hay harvested: 90%, last year 96%, normal 97%. Second crop clover harvested: 70%, last year 78%, normal 72%. Fieldwork: 5.0 days suitable. Crop conditions: Corn, mostly good to excellent; soybeans, fair to good; pasture and hay, good to excellent. Livestock in fair to good condition.

KANSAS: Temperatures 2 to 4° above normal except 5 to 6° above normal north central and northeast. Precipitation generally light, under 1.00 in. isolated amounts to 3.10 in. southeast.

Corn silked 85%, same as last year, 90% average; dough 35%, 40% last year, 45% average; dent 10%, 5% year ago, 15% average. Sorghum heading 10%, 35% last year and average. Soybeans blooming 35%, 60% last year, 95% average; podding 15%, 25% year ago, 40% average. Alfalfa third cutting 45% complete, 65% last year, 60% average, fourth cutting 1% complete, 3% last year and average. Crops good condition, except east central where sorghum, soybeans, fair due to dry weather stress. Pasture and range good to excellent except fair southwest. Topsoil moisture short. Subsoil moisture adequate except short southwest and southeast. Fieldwork: 6.5 days suitable.

KENTUCKY: Warm and humid. Precipitation averaged from 0.50 to 1.50 in. Scattered areas received amounts much heavier than normal.

Fieldwork: 5.1 days available. Soil moisture 52% short, 46% adequate, 2% surplus. Corn mostly good; 95% silked or beyond, 85% year ago and average; 40% dough, 33% year ago and 36% average. Soybeans mostly good; 70% blooming or bloomed, 50% year ago, 61% average; 29% setting pods, 12% year ago, 19% average. Tobacco mostly good to fair. Burley 52% topped, dark 60% topped. Hay and pasture mostly good.

LOUISIANA: Rainfall averaged 0.10 to 2.80 in. Temperatures 1 to 2° above normal north, normal to 1° below normal south.

Soil moisture adequate. Days suitable: 4.1. Corn mature 74% 1982 and average, 79% 1981; harvested 37%, 34% 1981, 19% average; condition good. Rice headed 73%, 86% 1981, 81% average; ripe 30%, 42% 1981, 41% average; harvested 22%, 29% 1981, 28% average; condition good. Cotton squaring 100% 1982, 1981 and average; setting bolls 97% 1982 and 1981, 96% average; open bolls 0%, 6% 1981, 3% average; condition good. Soybeans flowering 74%, 76% 1981, 75% average; setting pods 47%, 53% 1981, 44% average; condition fair to good. Sorghum headed

96%, 90% 1981 and average; turning color 72%, 69% 1981, 46% average; ripe 32%, 33% 1981, 16% average; harvested 9%, 19% 1981; condition fair to good. Sweetpotatoes harvested 13%, 17% 1981, 10% average; condition good. Sugarcane rated good. Pecans and vegetables rated fair to good. Pastures and livestock good condition.

MARYLAND AND DELAWARE: Temperatures averaged 1° above normal. Highs in 90's, lows in 50's. Precipitation averaged 0.98 in. Range 0 to 4.61 in.

Delaware: Corn in good condition; 95% silked, 1981 95%; 75% in dough, 1981 65%; dent stage 20%. Soybean condition good; bloomed 50%, 1981 25%; podding 25%, 1981 5%. Peaches 50% harvested. Topsoil moisture short to adequate. Fieldwork averaged 6 days.

Maryland: Corn in good condition; 90% silked, 95% last year; 40% in dough, 1981 55%, 10% in dent, 1981 40%. Soybeans in good condition; bloomed 45%, 1981 60%; 15% podding, 1981 25%. Tobacco mostly good condition; 15% harvested, 1981 15%. Soil moisture short to mostly adequate. Fieldwork averaged 6 days. Armyworms moderate to severe infestations in north central and southern counties. Leaf hoppers moderate to severe in north central counties.

MICHIGAN: A warm humid week with occasional thunderstorms. Average temperatures were 2 to 5° above normal except for east Upper where the average temperatures were normal. The heaviest precipitation fell over the western sections of the State.

Harvest was slowed as high humidity plagued most of the State. Soil moisture supplies mostly adequate but becoming short in southeast. Statewide 5 days were suitable for field activity. Wheat harvested 80%, 100% last year, 94% average. Oats harvested 20%, 65% in 1981 and 50% average. Corn in dough stage 20%, 20% last year, 21% average. Soybeans setting pods 45%, 35% in 1981 and 38% average. Dry beans setting pods 40%, 65% last year and 55% average. Summer potato harvest 20% complete, 17% last year and 10% average. Second cutting hay harvest 60% complete, 70% last year and averaged 69%. Tart cherry harvest nearing completion. Vegetable harvest making good progress.

MINNESOTA: A warm and humid week. Temperatures averaged from the upper 60's north except colder along the north shore of Lake Superior and the upper 70's south and were generally 3 to 7° above normal except they were below normal along the north shore. The highest reported temperature was 102° at Brown Valley, while the coolest was 45° at Pipestone. Rainfall was heaviest in the northern and southern areas, while much of the center of the State received less than 0.50 in. The south central averaged 1.07 in. The central and east central averaged less than 0.10 in. The highest reported rainfall was 3.12 in. at Winnebago.

High temperatures with little rain helped small grain harvest, but stressed row crops. Short topsoil moisture throughout wide east-west band covering half the State. Lack of moisture hindering corn development in some fields; more damage could occur if no rain soon. Moisture adequate along southern border. Northeast and northwest; intermittent rains made haying and small grain harvest difficult. Topsoil moisture 14% very short, 39% short, 42% adequate, and 5% surplus. Turning ripe: Spring wheat 85%, 1981 97%, normal 90%; oats 96%, 1981 99%, normal 96%; barley 93%, 1981 99%, normal 97%. Cut or swathed: Spring wheat 35%, 1981 51%, normal 52%; oats 70%, 1981 81%, normal 75%; barley 62%, 1981 85%, normal 76%. Combined: Spring wheat 13%, 1981 16%, normal 27%; oats 41%, 1981 45%, normal 49%; barley 42%, 1981 58%, normal 55%. Tasseling: Field corn 95%, 1981 99%, normal 97%. In milk: Field corn 30%, 1981 36%, normal 51%. In dough: Field corn 3%, 1981 4%, normal 18%. Blooming: Soybeans 93%, 1981 94%, normal 96%; sunflowers 42%, 1981 80%, normal 77%. Setting pods: Soybeans 40%, 1981 49%, normal 63%.

MISSISSIPPI: Temperatures averaged 2° below normal. Extremes: 64 and 98°. High pressure 2nd to 5th kept State dry. Upper level disturbance brought widespread rain 6th through 8th.

Soil moisture adequate. Fieldwork: 4.7 days suitable. Weed and insect control and corn silage and hay harvest main farm activities. Cotton 100% blooming, same as last year and average; 96% setting bolls, 94% last year, 90% average; condition good. Soybeans 80% blooming, 84% last year, 77% average; 38% podding, 40% last year, 41% average; condition good to fair. Rice 54% headed, 54% last year, 52% average; condition good to fair. Sorghum 80% headed. Hay harvest 76% completed, peaches 88%, watermelons 86%, corn silage 47%, sweetpotatoes 5% and peanuts 4% harvested. Pasture condition good.

MISSOURI: Temperatures averaged near normal to slightly above normal. Precipitation was spotty, averaging less than 0.20 in.

Fieldwork: 6.0 days suitable. Corn 89% silking, last year 87%, normal 79%. Corn 57% in dough stage, last year 54%, normal 51%. Corn 25% in dented stage, last year 23%, normal 23%. Grain sorghum 64% headed, last year 55%, normal 62%. Soybeans 59% blooming, last year 56%, normal 68%. Soybeans 32% setting pods, last year 30%, normal 36%. Alfalfa hay, 2nd cutting, 94% harvested, last year 87%, normal 99%. Third cutting alfalfa hay 44% harvested, last year 31%, normal 36%. Other hay 90% harvested, last year 81%. Condition of corn mostly good. Condition of soybeans, grain sorghum and pasture mostly fair to good. Topsoil moisture supply mostly short.

MONTANA: Mild in west and hot in east. Temperatures averaged 1 to 3° below normal western third and 2 to 5° above normal east. Freezing temperatures occurred in high mountain valleys of southwest. Precipitation from thundersshowers moderate to heavy north central and northeast and light elsewhere. Up to 1.00 in. fell over parts of northeast.

Topsoil moisture short to adequate. Subsoil moisture mostly adequate. Seven days suitable for fieldwork. Crop progress compared with last year and normal: Percent ripe but not harvested winter wheat 35, 55, 40; percent harvested winter wheat 5, 35, 50; percent ripe or harvested spring wheat 5, 40, 50; barley 10, 35, 45; oats 10, 50, 50; second cutting alfalfa hay 25, 25, 30; wild hay harvest 75, 80, 80.

NEBRASKA: Precipitation: Approximately 1.00 in. across north central, northeast and central areas. Remainder of State 0.10 to 0.30 in. Temperatures: 1 to 2° above normal.

Wheat harvest 99%, 100% last year and normal. Dryland corn mostly good to fair. Irrigated corn good. Silked 75%, 95% last year and 96% normal. Dough 10%, 30 previous year and 35% normal. Soybeans mostly good to fair. Blooming 65%, 90% last year. Setting pods 20%, 60% a year ago, 70% normal. Sorghum good. Heading 20%, two full weeks behind 80% last year and 75% normal. Third cutting of alfalfa 15%, 25% previous year and 20% normal. Pasture and range feed mostly adequate. Topsoil moisture mostly short to adequate. Subsoil moisture mostly adequate to short. Days suitable for fieldwork: 6.5.

NEVADA: Dry and sunny with near normal temperatures early in week. Warmer temperatures and higher humidity with a few showers across central areas characteristic remainder of period. Temperature extremes: 108 and 29°.

Lack of rainfall most areas allowed good progress combining small grains, harvesting hay and garlic. Potatoes showing good growth with warmer night temperatures.

NEW ENGLAND: Temperatures averaged near normal with the exception of subnormal readings in northern Maine. Dry week for central and southern New England, rainfall less than 0.50 in. Northern New England received showers on the 4th and 5th with amounts ranging from 0.50 to 2.60 in.

Hay harvest: 2nd crop 47%, 1981 48%. As more crop was cut, quality less than anticipated. Maine potatoes: Variable plant size, crop condition fair. Cranberries: Sizing stage, irrigation continues, crop developing well. Very good crop prospects. Warm weather helping all crop development. Harvest of summer vegetables, sweet corn, blueberries and raspberries.

NEW JERSEY: Temperatures averaged near normal. Extremes: 53° at Charlotteburg on 7th and 95° at Hammonton on 2nd. Rainfall averaged 1.29 in. north, 0.31 in. central and 0.81 in. south. The heaviest 24-hour total 3.45 in. at Newton on 8th to 9th. Estimated soil moisture, in percent of field capacity, averaged: 81% north, 66% central and 53% south. Four inch soil temperatures averaged: 71° north, 73° central and 74° south.

Fieldwork: 6.5 days suitable. Soil moisture adequate to short. Rainfall light and scattered. Summer vegetable harvest continues active. Irish potato digging increasing slowly. Blueberry harvest nearing completion. Peach volume good from the mid-season varieties. Harvest of early red and summer cooking apple active. Cranberry crop prospect good. Field corn and soybeans growing nicely. Some fields could use a good rain. Pasture and crops could use rain in many areas. Fall vegetable planting continues.

NEW MEXICO: Thundershowers continued to occur and has left most areas ahead of normal, accumulated, year-to-date rainfall totals.

Soil moisture in a short to adequate supply depending on the area. Cotton in fair to good condition. Alfalfa in good condition. Rains causing some problems in hay harvest. The fourth cut underway in the south. Corn in good condition with tasseling about 90% complete. Irrigated grain sorghum in good condition with about 55% of the fields heading. Land preparation for winter wheat seeding underway. Green chile in good condition in most areas with harvest getting started. Potatoes in good condition. Peanuts progressing well, however the damp weather causing some problems. Apples in good condition with harvest expected to begin soon. Cotton squaring 99%, 100% 1981. Cotton setting bolls 60%, 90% 1981, 70% average.

NEW YORK: Much needed rain was received. Temperatures cooler than normal.

Fieldwork hampered by rains and high humidity. Corn developing ears and responding to rainfall. Wheat 78% harvested, about same as last year. Second cutting alfalfa 50% complete, 47% in 1981, 52% average. Fruit crops in good condition. Harvest of early apples continues. Tart cherry harvest nearing completion. Peaches 15 to 20% harvested in western portions. Pears sizing well. Harvest of early potatoes progressing well. Onions making good growth. Snap bean harvest progressing well.

NORTH CAROLINA: Temperatures: Near normal. Precipitation: Scattered and mostly light for the period with the greatest total being 1.22 in. at Elizabethtown.

Fieldwork: 5.6 days suitable. Soil moisture: 20% short, 75% adequate, and 5% surplus. Conditions: Pasture, field tobacco, cotton, soybeans, sweetpotatoes and truck crops mostly good; corn mostly good to excellent; peanuts fair to mostly good; apples poor to good. Harvests: Flue-cured tobacco 49%, 1981 47%, 39% average; corn for silage 15%, 1981 14%; apples 5%, 1981 3%; hay 78%, 1981 76%, 76% average. Phenological stages: Cotton squared 99%, 1981 99%, 97% average; cotton setting bolls 85%, 1981 87%, 84% average; corn silked 98%, 1981 100%; corn soft dough stage 84%, 1981 88%, 80% average; corn dent stage 64%, 1981 72%, 64% average; corn matured 20%, 1981 34%, 33% average; soybeans blooming 42%, 1981 61%, 49% average; soybeans setting pods 11%, 1981 30%. Major farm activities: Harvesting flue-cured tobacco, cutting hay, and marketing tobacco.

NORTH DAKOTA: Temperatures averaged above normal. Averages ranged from 0.5 to 6.2° above normal. Warmest district was southeast, coolest was north central. Extremes from 106° east central to 49° at several locations. Precipitation was widespread with average rainfall for the districts from 0.20 to 1.19 in. Isolated thunderstorms produced rainfalls in excess of 1.50 in. and hail. Some high winds and heavy rain did considerable damage to crops scattered areas.

Warm weather pushed crop development. Small grain harvest underway most areas. Most advanced southeast. Percent acreage combined along with last year and average was: Hard red spring wheat 10, 11, 14; durum 3, 6, 6; barley 28, 37, 32; winter wheat 47, 50, 59 and rye 62, 60, 61. Row crop progress rapid also, but sunflowers, and potatoes remain well behind average. Moisture needed for most row crops, but most still in good condition except damaged areas. Sunflower growth about 8 days behind average. Percentage of acreage in bloom or beyond compared to last year and average: Sunflower 34, 62, 59; flax 89, 89, 90; potatoes 79, 97, 94; corn and soybeans behind average pace.

OHIO: Warm, humid weather; high temperatures averaged 3° above normal. Cloudiness held down nighttime cooling with lows from 3 to 5° above normal. Growing degree accumulations from 20 to 30 above normal; totals ranged from 153 to 196. Rainfall variable; less than 0.10 to over 1.00 in. and locally heavy rains produced 2.00 in. at several locations.

Most crops still under stress. Scattered rain aided some areas. Corn ears and soybean pods filling but quality and sizing of contents still unknown. Farm activities included baling straw, harvesting oats, clipping wheat and oat stubble, hauling manure, picking sweet corn, fall plowing, spreading fertilizer and general farm maintenance. Corn silked 99%, 75% 1981, 90% average. Corn in dough 60%, 15% 1981, 30% average. Soybeans blooming 95%, 75% 1981, 85% average. Soybeans setting pods 80%, 40% 1981, 60% average. Oats harvested 90%, 95% 1981, 90% average. Potatoes harvested 15%, 10% 1981. Alfalfa harvest - 2nd cut 95%, 85% 1981, 90% average. Other hay harvest - 2nd cut 70%, 65% 1981, 65% average. Days favorable 6. Pasture condition fair. Soil moisture 75% short, 25% adequate.

OKLAHOMA: Rainfall averages ranged from 0.13 in. in the north central and southwest districts to 0.87 in. in the Panhandle. Average temperatures varied from normal in the three southernmost districts up to 5° above normal in the northeast district.

Rainfall helped crop conditions in nearly all areas. More rain needed, however, as hot dry weather continues to sap moisture. Wheat harvested: 100%, 100% 1981, 100% average. Sorghum heading: 35%, 75% 1981, 60% average. Cotton squaring: 60%, 100% 1981, 90% average. Cotton setting bolls: 10%, 65% 1981, 50% average. Days suitable for fieldwork: 6.2.

OREGON: Temperatures averaged 3° below normal. Averages of less than 0.10 in. of rain recorded in the northern areas. Hot temperatures and scattered showers prevailed over the weekend.

Winter wheat harvest 65% complete, 62% last year, 67% average. Grass seed harvest finished except eastern areas. Early mint being swathed. Haying continues. Bartlett pear harvest to start next week. Early apple harvest continues as well as peach harvest. Most cranberries all harvested except evergreen blackberries, which will start next week. Blueberry harvest has peaked. Cranberry set good; berries small. Filberts and walnuts have good crop potential; sprays going on as needed. Snap bean harvest in full swing. Some fields by-passed due to cannery strikes. Sweet corn harvest underway. Other vegetables being harvested in volume. Onions look good with harvest a few weeks off. Potato harvest continues for fresh market and some direct to processing. Livestock mostly good shape. Pastures and ranges vary greatly. Higher ranges still providing good grazing; lower ranges very dry. Some feeding of cannery waste.

PENNSYLVANIA: Warm, humid and muggy daily except 3rd with scattered showers and/or thunderstorms on five days. Temperatures from several degrees above normal west to slightly below normal north central. Daily highs mostly 70's and 80's and lows 50's to 70's with extremes 92 and 50°. Rainfall measured 0.25 in. or less extreme northwest, southeast and central with only parts of Susquehanna Valley southwest and northeast mountains receiving 0.50 to 1.00 in. total.

Five days suitable. Moisture short to adequate. Activities: Spraying, baling straw; plowing; making hay; and harvesting wheat, oats, peaches, apples, cantaloups, potatoes, cabbage, sweet corn, and tomatoes. Wheat harvest virtually complete, about a week ahead of last year. Oats 63% harvested, same as last year. Potatoes 13% harvested, same as last year. Corn 82% silked with 22% in dough; last year, 80% silked with 20% in dough; average 73% silked with 16% in dough. Second crop alfalfa 72% harvested, last year 71%. Third crop alfalfa 13% harvested, last year 10%. Second crop Clo-Tim 39% harvested, last year 42%. Fall plowing 6% complete, last year 5%. Quality of hay made fair to good. Feed from pastures average to below average.

PUERTO RICO: Island average rainfall 0.72 in. or 0.83 in. below normal. Highest total 3.34 in. Temperatures averaged about 82° on Coasts and 76 to 78° Interior Divisions. Extremes: 94 and 54°.

SOUTH CAROLINA: Temperatures 1 to 3° below normal, with mostly scattered afternoon thundershowers late in the week.

Soil moisture adequate. Fieldwork: 5 days suitable. Corn good to excellent; 98% dough stage, 97 last year, 93 average; 60% mature, 71 last year, 66 average; 9% harvested for this year, last year and average. Cotton 99% setting bolls, 96 average. Insecticide applications active. Soybeans 55% blooming, 60 last year, 61 average; 18% setting pods, 17% last year and 20% average. Corn earworms, chinch bugs and fall armyworms increasing. Tobacco fair to good; 73% harvested, 64% last year and average. Peaches 98% harvested, 90 last year and 88 average. Fall vegetable planting continue at 28% for snap beans compared to 17 last year. Cucumbers 39% planted ahead of last year's 20%. Fall hay and pastures looking good; last week was a good week for haying.

SOUTH DAKOTA: Temperatures averaged 2 to 4° above normal. Extremes: 106 and 40°.

Topsoil moisture critically short in most of north central and parts of northwest and northeast. Short in most of northeast, southeast and west. Adequate elsewhere. Six days suitable. Combining made very rapid progress. Small grain harvest, haying and working stubble fields main activities. Grasshoppers becoming numerous in northwest, central and other counties near Missouri River. Row crop development averages 1 week behind normal. Spring wheat ripe 87%, 1981 100%, average 91%. Oats ripe 92%, 1981 100%, average 98%. Barley ripe 97%, 1981 100%, average 98%. Flax ripe 37%, 1981 55%, average 48%. Soybeans blooming 78%, 1981 86%, average 92%. Sunflowers blooming 39%, 1981 49%, average 52%. Soybeans setting pods 38%, 1981 32%, average 55%. Winter wheat harvested 81%, 1981 92%, average 93%. Winter rye harvested 85%, 1981 85%, average 88%. Spring wheat harvested 44%, 1981 60%, average 64%. Oats harvested 65%, 1981 79%, average 78%. Barley harvested 74%, 1981 79%, average 79%. Flax harvested 7%, 1981 7%, average 17%. Corn tasseled or beyond 75%, 1981 89%, average 89%. Corn silked 59%, 1981 73%, average 80%. Sorghum headed 24%, 1981 48%, average 45%. Wild and prairie hay cut once 58%, 1981 58%, average 71%. Alfalfa cut twice 60%, 1981 55%, average 70%.

TENNESSEE: Fieldwork: 4.7 days. Soil moisture 26% short, 64% adequate, 10% surplus. Soybeans blooming 74%, 1981 63%, average 76%; setting pods 22%, 1981 25%, average 29%. Corn dough stage 85%, 1981 100%, average 78%; dented 35%, 1981 55%, average 33%; mature 6%, 1981 6%, average 5%. Cotton setting bolls 100%, 1981 100%, average 85%; open bolls 1%, 1981 0%, average 1%. Burley tobacco harvested 7%, 1981 10%, average 5%; dark-fired harvested 5%, 1981 12%, average 6%. Dark air-cured harvested 2%, 1981 19%, average 12%.

TEXAS: First part week, partly cloudy and hot with scattered thunderstorms from Rio Grande Valley to Southeast Texas, over mountains West Texas. Late week, frontal system moved West Texas triggering thunderstorms Panhandle. Scattered thunderstorms also developed Central and East Texas as easterly wave moved into Southeast Texas. Temperatures near normal Statewide. Precipitation ranged from 0.33 in. below normal Valley; 0.50 and 0.75 in. above normal over Low Plains, Edwards Plateau and East Texas; 1.00 in. above normal High Plains.

Range: Many ranges, pastures across State remain moisture stressed, grazing conditions remain good with adequate supply dried forage. With abundance dried weeds and grasses, range fires becoming possibility Edwards Plateau. Livestock good shape, despite decrease pasture condition. However, portions South Central Texas heavy movement cattle to market because shortage available grazing. Supplemental feeding increased some areas State. Grasshopper and armyworms problem Cross-Timbers to Blacklands.

Commercial vegetables: Lower Rio Grande Valley, fall planting bell peppers, tomatoes and cauliflower making good progress. Recently planted fields good stands, irrigation operations active. Rust mites increasing some citrus groves. San Antonio-Winter Garden, fall planting cabbage was active. East Texas, hot weather slowing melon growth some areas. Sweetpotatoes good progress. Watermelons and cantaloups move to market. Trans-Pecos, cantaloup harvest gaining momentum Pecos County. Watermelon and tomato harvest underway soon Dell City. Onion harvest good progress. Plains, harvest active cucumbers, bell peppers and potatoes. Planting operations good progress fall cabbage. Peach harvest nearing completion, only short supplies available scattered areas. Pecans continue size, many trees dropping nutlets because continued dry weather. Insect control measures active.

Crops: Hot temperatures across State, although scattered showers from Plains to East Texas provided some relief from summer weather. Crops maturing rapidly, harvesting operations steady progress northward. Land preparation small grain planting active most areas. Cotton fields High Plains remain varying stages development, although most stands three weeks to month behind. Cotton respond hot weather, some fields Southern High Plains moisture stress. Heavy insect populations problem across Plains, some bollworm damage reported. Along Upper Coast, bolls not opening fully because dry conditions. Defoliation underway Blacklands. Statewide condition was 64% of normal with 2% excellent; 26% good; 61% fair; and 11% poor. This compares with 83% of normal last year. Sorghum maturing rapidly under hot, dry weather, harvest good progress across State. Late-planted stands High Plains moisture stress. Control measures active Plains greenbugs and headworms. Some minor hail damage Southern High Plains. Reported condition across the State was 83% of normal with 18% excellent; 54% good; 23% fair; and 5% poor. This compares with 90% of normal last year. Most early corn stands denting High Plains. Harvest rapid progress, operations nearing completion southern half State. South Central Texas some fields too dry to harvest, shell damage problem. Statewide condition was 87% of normal with 23% excellent; 54% good; 21% fair; and 2% poor. This compares with 91% of normal last year. Scattered showers along coast interrupted rice harvest. Reported condition along the coast was 82% of normal with 14% excellent; 59% good; 20% fair; and 7% poor. This compares with 89% of normal last year. Some soybean stands High Plains moisture stress. Along coast, early stands maturing rapidly. Peanuts good stand Cross-Timbers, irrigation operations active most areas. Stands blooming Cross-Timbers to South Central Texas. Baling operations continue most hay meadows, although re-growth slowed by hot, dry weather. Scattered showers Central and East Texas provide needed moisture for additional fall cuttings. Production good, most producers good supplies for winter feeding. Some early sunflower fields defoliated High Plains preparation for harvest. Cotton squaring 90%, 98% 1981, 99% average. Cotton setting bolls 44%, 84% 1981, 81% average. Cotton open bolls 10%, 9% 1981, 12% average. Cotton harvested 2%, 1% 1981, 3% average. Rice turning color 95%, 90% 1981, 91% average. Rice harvested 64%, 59% 1981, 65% average. Sorghum headed 82%, 84% 1981, 83% average. Sorghum turning color 63%, 65% 1981, 66% average. Sorghum mature 59%, 57% 1981, 59% average. Sorghum harvested for grain 51%, 51% 1981, 52% average. Corn for grain harvested 28%, 13% 1981, 17% average. Peanuts harvested 0%, 0% 1981, 2% average.

UTAH: Recurring periods scattered shower and thunderstorm activity. Accumulated amounts moisture variable, ranging from little or none to well over 1.00 in. Average temperatures ranged from 4° below normal to 4° above. Pan evaporation well above normal ranging from about 2 to 3.5 in.

Hay and small grain harvest major farming activity. Some moderate damage to crops from rain and windstorms. Grain yields running average. Winter wheat 42% harvested, barley 26%, and spring wheat 20%. Corn making good growth but still behind normal development. Second crop hay two-thirds cut. Some rain damage reported. Yields better than first crop. Insect and disease problems have been below average this season.

VIRGINIA: First part of week dry and mild with a summertime warm, humid air mass moving over the area 6th through 8th. Afternoon and evening showers and thunderstorms dotted the radar each day with amounts ranging from around 1.00 to 3.50 in. in the southern and southeastern districts. Temperatures warmed to highs in upper 80's and lower 90's by end of period. Overnight lows ranged from 50's and 60's first part to 60's and 70's by weekend.

Fieldwork was active and consisted mostly of haying, spraying and harvesting fruits and vegetables. Days suitable for fieldwork: 5.3. Topsoil moisture rated 12% short, 84% adequate, 4% surplus. Corn: Excellent condition; 88% silked, 92% 1981; 64% in dough, 65% 1981; nearly 25% in dent. Armyworm infestation in north and central districts. Soybeans: Excellent condition; 39% blooming, 16% setting pods. Flue-cured tobacco, 21% harvested, 34% 1981, 14% average. Fire-cured tobacco, 17% harvested, 14% 1981, 5% average. Burley harvest getting underway. Topping, spraying and cultivating active. Potato harvest 95% complete. Peaches 53% harvested. Peanuts in very good condition. Spraying for leafspot and sclerotinia blight very active. Pastures generally in excellent condition. Some local areas dry and pastures short. Hay very good, growing well but showers and humidity hurt quality. Livestock doing well, marketing picking up and pasture feed adequate.

WASHINGTON: A high pressure ridge extending from the west was the dominate feature. Unstable air associated with an upper level disturbance moved across the State early in the week with most of the total rainfall occurring during this period. A typical summertime frontal system approached the coast on 5th but it diminished in strength and little precipitation was reported as it moved over the State on 6th.

West: Raspberry harvest winding down, blueberry picking getting underway. Blackberries also ripening with some early picking being done. Broccoli, cauliflower, cabbage, lettuce, carrots, green peas, beets, beans, green onions, summer squash, and cucumbers were some of the vegetables harvested last week. Range and pastures in adequate condition. Livestock look good with hay supplies mostly adequate.

East: Small grain harvest in full swing. Other crops being harvested include Norgold potatoes, dry peas, alfalfa, green peas, onions, sweet corn, peaches, apricots, and prunes. Second cover sprays for codling moth and green apple aphids continued. Other spring crops look average. Winter wheat harvested 55%, 37% 1981, 45% average.

WEST VIRGINIA: Temperatures slightly above normal. Low 47°, high 94°. Precipitation below normal. Range: Trace to 1.28 in.

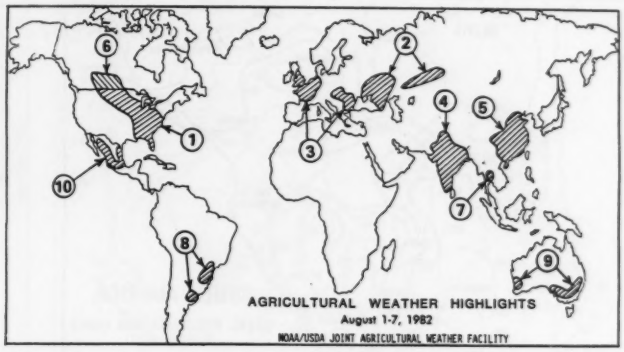
Soil moisture short to adequate. Days worked averaged 4.9. Main activities: Hay and grain harvesting, pasture clipping and gardening. Wheat: Good to fair condition; 94% harvested; harvest complete at this time last year. Barley: Fair to good condition; 92% harvested; harvest complete at this time last year. Oats: Good to fair condition; 63% harvested; 82% harvested in 1981. Corn: Good to fair condition. Pastures: Good to fair condition. Hay: Fair to good condition, 1st cutting 96% complete, 85% of normal; 1st cutting completed at this time last year. Second cutting: 33% harvested and 82% of normal; 30% and 64% in 1981. Tobacco reported in fair condition. Peaches reported in poor to fair condition, 45% harvested, 53% of normal. Apples reported in good to fair condition. Scattered showers and humid condition continue to hamper hay and grain harvesting.

WISCONSIN: A warm week with temperatures averaging 3° above normal. Temperatures ranged from a high of 100° in Marshall on the 3rd to a low of 48° in Superior, Morse, Minong and Wausaukee on

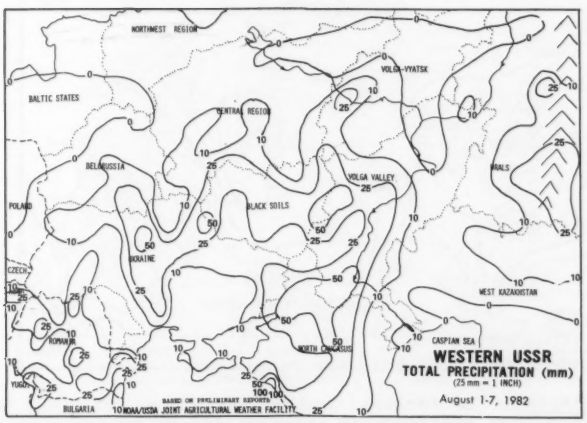
(continued on back cover)

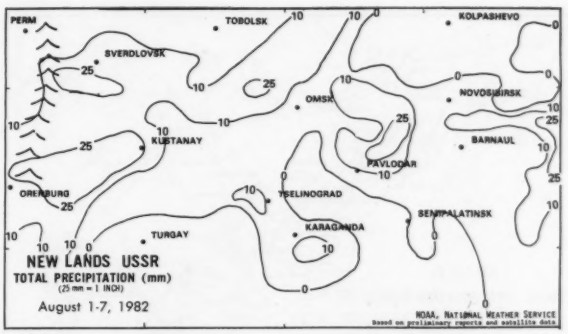
International Weather and Crop Summary

August 1-7



1. UNITED STATES: Unseasonably hot weather hastens wheat maturity in the northern Plains but reduces corn pollination in the western Corn Belt. Localized dryness stresses some crops in the filling stage in the eastern Corn Belt. Scattered showers help maturing crops over the Southeast.
2. USSR: Showers in some European areas cause only minor harvest delays; in the New Lands, mostly dry weather aids the harvest in the south.
3. EUROPE: Showers benefit spring sown crops in France, England, and West Germany. Drier weather benefits the harvest in the southeast.
4. SOUTH ASIA: Beneficial rains continued in the northeast half of India; somewhat too dry in the southwest half.
5. EASTERN ASIA: Generally increasing rainfall benefits most crops in China.
6. CANADA: Favorable weather for crops in filling stages.
7. SOUTHEAST ASIA: Somewhat dry conditions hurt crops in Thailand.
8. SOUTH AMERICA: Wet weather returns to Rio Grande do Sul; seasonably dry in Argentina.
9. AUSTRALIA: Crop prospects worsen as drought continues in east; timely showers aid growth in west.
10. MEXICO: Beneficial showers blanket the southern Plateau corn belt and several western watersheds; prolonged dryness over the northeast stresses rainfed citrus and sugarcane.



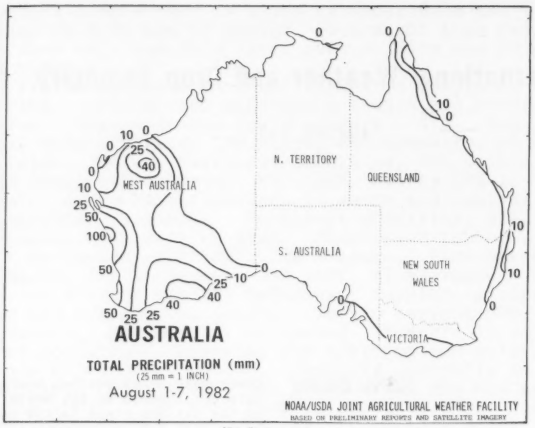


USSR: Mostly dry weather continued in the Baltic States and most of Belorussia, favoring spring grain ripening and aiding the harvest of winter grains. Light, scattered showers fell on the Central and Volga-Vyatsk regions, benefiting those spring grains which are still in the filling stage. Wet weather covered the area from the central Ukraine through the Black Soils into the Volga Valley early in the week. However, few delays in the harvest should have resulted because the wet episode was short lived, and dry weather moved into these areas by midweek. In the North Caucasus, showers and thunderstorms, some locally heavy, fell throughout the week, hampering harvest activity in those areas with persistent showers. The Ukraine, North Caucasus, and Volga Valley reports the majority of harvest activity, with the northernmost extent stretching eastward from the southern Baltic States through the northern Black Soils into the southern Volga Vyatsk region. Weekly temperatures were above normal in northern European areas and below normal in the south.

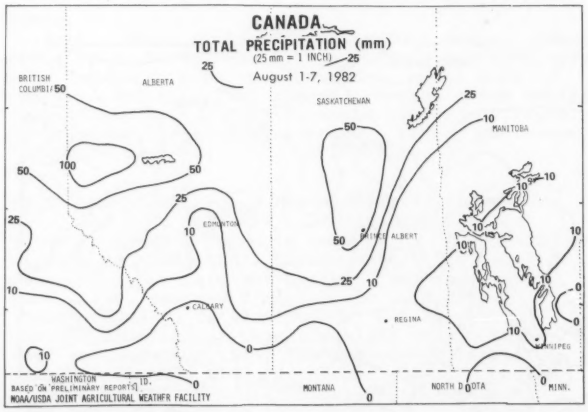
In the New Lands, a series of eastward moving frontal systems produced showers and thunderstorms in western and some central grain areas. Little if any precipitation fell on remaining crop areas in the region. Spring grains over the entire region should be maturing with reports indicating that harvest activity is taking place in southern areas.

SOUTH AMERICA: Fair weather over most crop areas during much of the week gave way to showers over eastern Argentina and southern Brazil late in the period. The frontal system intensified over Rio Grande do Sul, returning that state to a wet weather pattern after only a 1-week respite from locally heavy showers. Abundant moisture is available for wheat growth in southern Brazil. Drier weather in most coffee areas aided the late harvest. In Argentina, seasonably dry weather prevailed in most wheat areas except for the showers in eastern Buenos Aires. The drier weather in northern crop areas along the Parana River helped alleviate the excessively wet conditions of the previous week. Seasonal temperatures prevailed over most crop areas during the week.

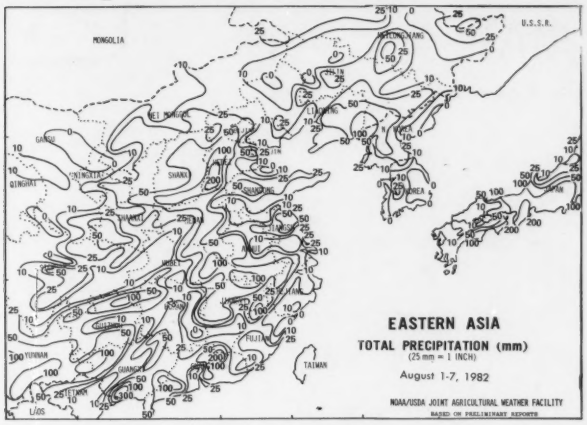
MEXICO: Beneficial showers blanketed the southern Plateau corn belt and several western watersheds; however, prolonged dryness over the northeast stressed rainfed citrus and sugarcane. Tropical showers, producing about 25 mm of rain over most of the southern Plateau's corn belt, should benefit late corn and beans but interfered with the early crop harvest. Showers extending across the western mountains will help ensure irrigation water for some western cotton, soybeans, and other summer crops. A couple of months of dryness over the northeast continues to stress rainfed citrus and sugarcane.



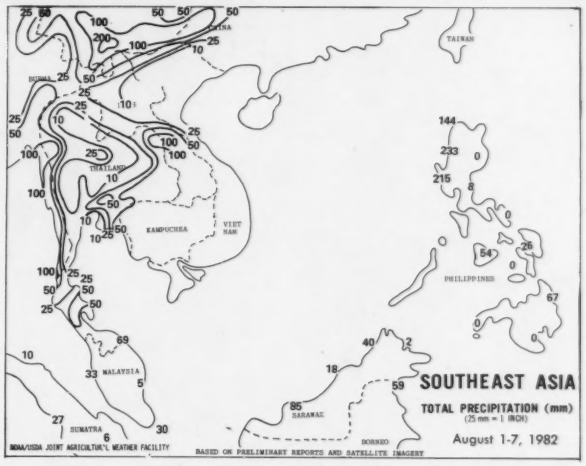
AUSTRALIA: The eastern grain areas remained dry again this week with minimal shower activity confined to coastal areas. Crop conditions continue to deteriorate in Queensland and New South Wales with the season probably advanced beyond the time when wheat can be planted. Wheat prospects have declined considerably in recent weeks due to the failure of any substantial rainfall to revive the crop. Southern crop areas of Victoria and South Australia were also mostly dry with soil conditions becoming too dry for proper crop development. Rain will be needed very soon in this area to sustain vegetative growth. Western Australia's crop area continues to benefit from relatively frequent showers. Thus, crop prospects are favorable in that area which usually produces about 30 percent of Australia's wheat crop.



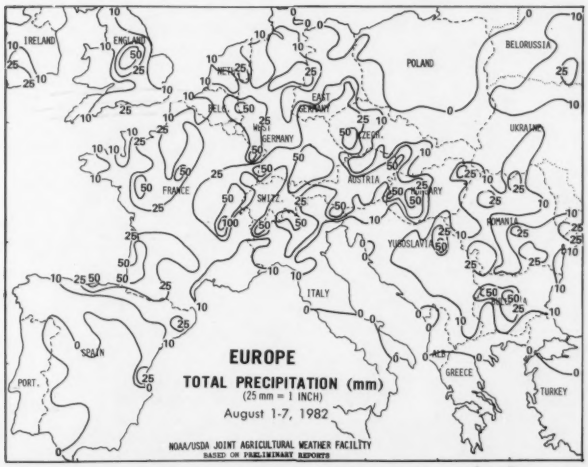
CANADA: A frontal system early in the week produced rainfall in excess of 25 mm across northern crop areas of the Prairie Provinces. However, weekly totals were generally less than 10 mm over the southern portion of the grain belt, and extreme southern Alberta and southwestern Saskatchewan were dry. These two crop areas have been relatively dry in recent weeks. Rain would improve topsoil conditions in these areas for crops in the early filling period; however, moisture supplies are generally adequate throughout the grainbelt. Cereals and oilseeds have advanced from reproduction to the filling stages in good to excellent condition. Saskatchewan's crops are still about a week behind normal development, but prospects for the wheat crop look very good.



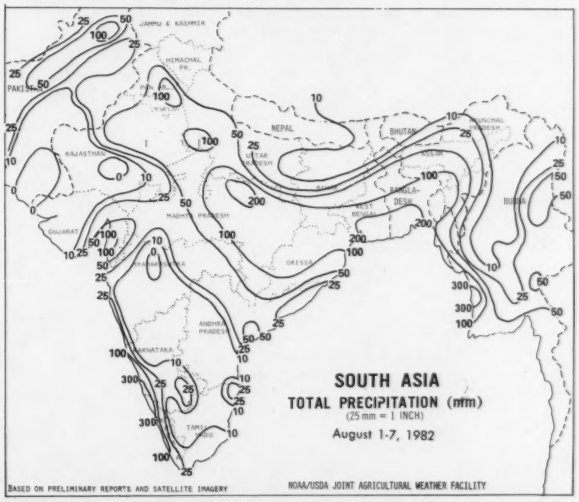
EASTERN ASIA: Rainfall increased over most agricultural areas of China. The moisture was beneficial in the south, but dry pockets persisted in the southern half of the Yangtze Valley. Heavy rains spread eastward into Hebei. Some flooding hit mountainous areas to the west, but for the most part the moisture was beneficial. Increasing rainfall in the northeast was likely too late to benefit crops much. Spring wheat harvesting was already in progress, and soybeans should have been well into the podding stage of development. In South Korea, only light rains fell over most rice areas, but adequate moisture was available from previous weeks' rains. Temperatures rose to near normal.



SOUTHEAST ASIA: Rainfall decreased further over Thailand. Only limited areas reported near-normal amounts. Most corn was likely mature enough to benefit from the dryness, but filling of late-planted varieties was adversely affected. Much of the rainfed rice in the east suffered from the dryness. A lack of substantial rain in the north and the resulting lower reservoir levels may be causing irrigation water shortages on the Central Plains. Low irrigation supplies would signal an alarm for fall crops. Satellite imagery indicated that compared to Thailand, rainfall was greater in Laos, significantly less in Vietnam, and somewhat less in Kampuchea.



EUROPE: A nearly stationary low-pressure system centered over France produced showers over most of France, England, West Germany, and northern Italy. The moisture which fell on France and England favored the growth of spring sown crops such as corn and sugar beets, but some minor delays in winter grain harvesting may have occurred. Showers in the Netherlands and northern West Germany relieved a dry pattern which had persisted for several weeks. Elsewhere, mostly dry weather in northern East Germany and Poland aided the winter grain harvest while scattered showers over southeastern Europe produced only minor delays in grain harvesting. Weekly temperatures averaged above normal in the north but were below normal in the south.


SOUTH ASIA
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
August 1-7, 1982
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

SOUTH ASIA: Normal rainfall or greater continued to benefit much of Bangladesh, northern India, and northern Pakistan. Some localized areas are likely too wet. Relatively dry parts of this northern area had generous rains the previous week, and crops should be in good condition. Rainfall slackened somewhat over the southwestern half of India. Many interior areas of southern India had very little rainfall, but soil moisture should still be adequate for rainfed crops. Most peanut areas of Gujarat had good soil moisture despite only light rainfall during the week. However, conditions in northwestern parts of the state have been unfavorably dry. Temperatures stayed near normal over most of the region.

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State Summaries (continued from p. 20)

the 2nd. August 3rd was especially warm with many thermometers topping the 90° mark. Precipitation was quite variable with most precipitation falling in the southern two-thirds of the State. Heaviest rainfall totals were reported in Palmyra and Oshkosh. Each city reported totals approaching 3.50 in. The storm which hit State on 3rd did some localized damage in northeastern areas. Some barns and sheds gave way to some very strong winds.

Fieldwork: 5 days suitable. Farmers continued to harvest second crop hay. Currently 63% of the crop has been harvested, 55% 1981, 52% average. Pastures continue to look good and rated at 87% of normal, 86% 1981, 79% average. Farmers got started on the oat harvest. Currently 15% of the oats have been combined, 39% 1981, 31% average. Red leaf irus and some poor June weather have had an adverse effect on the crop. Harvest continued on the winter wheat crop which was 40% harvested. Recent warm weather had prodded the State's corn crop. Currently 74% of the crop has silked, 80% 1981, 73% average. An estimated 14% of the crop at the dough stage of development, 25% 1981, 16% average. In many areas the crop has made remarkable progress over the past month. Harvesting continues on the snap bean and sweet corn crops. Growing degree day accumulations, since April 1, have averaged 4% below normal. Topsoil moisture supplies were rated 11% short, 60% adequate and 29% surplus.

WYOMING: High temperatures in 90's and low 100's led to higher than average temperatures. Stations ranged 1 to 5° above normal. Very little rain except in eastern third, but even most of eastern stations reported below normal precipitation.

Topsoil moisture adequate 55% State. Subsoil adequate 58% of State. Average 7 days suitable for fieldwork. Winter wheat mature: 76%; normal most. Winter wheat harvested: 30%; normal 85%. Spring turning color: 85%; normal. Spring wheat mature: 25%; normal 58%. Spring wheat harvested: 10%; normal 32%. Barley turning color: 70%; normal, most. Barley mature: 35%; normal 65%. Barley harvested: 10%; normal 32%. Oats turning color: 60%; normal 79%. Oats mature: 20%; normal 44%. Corn fair to good condition: 40% tasseled; 15% silked. Normally 75% corn tasseled, 48% silked. Dry beans good condition: 85% in bloom; 30% setting pods. Windrowing expected to start 1st September. Potatoes good condition; 85% in bloom. First cutting alfalfa 90% complete. Second cutting alfalfa harvested: 10%; normal 40%. Other hay harvested: 60%; normal 71%. Stock water adequate 80% State.

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